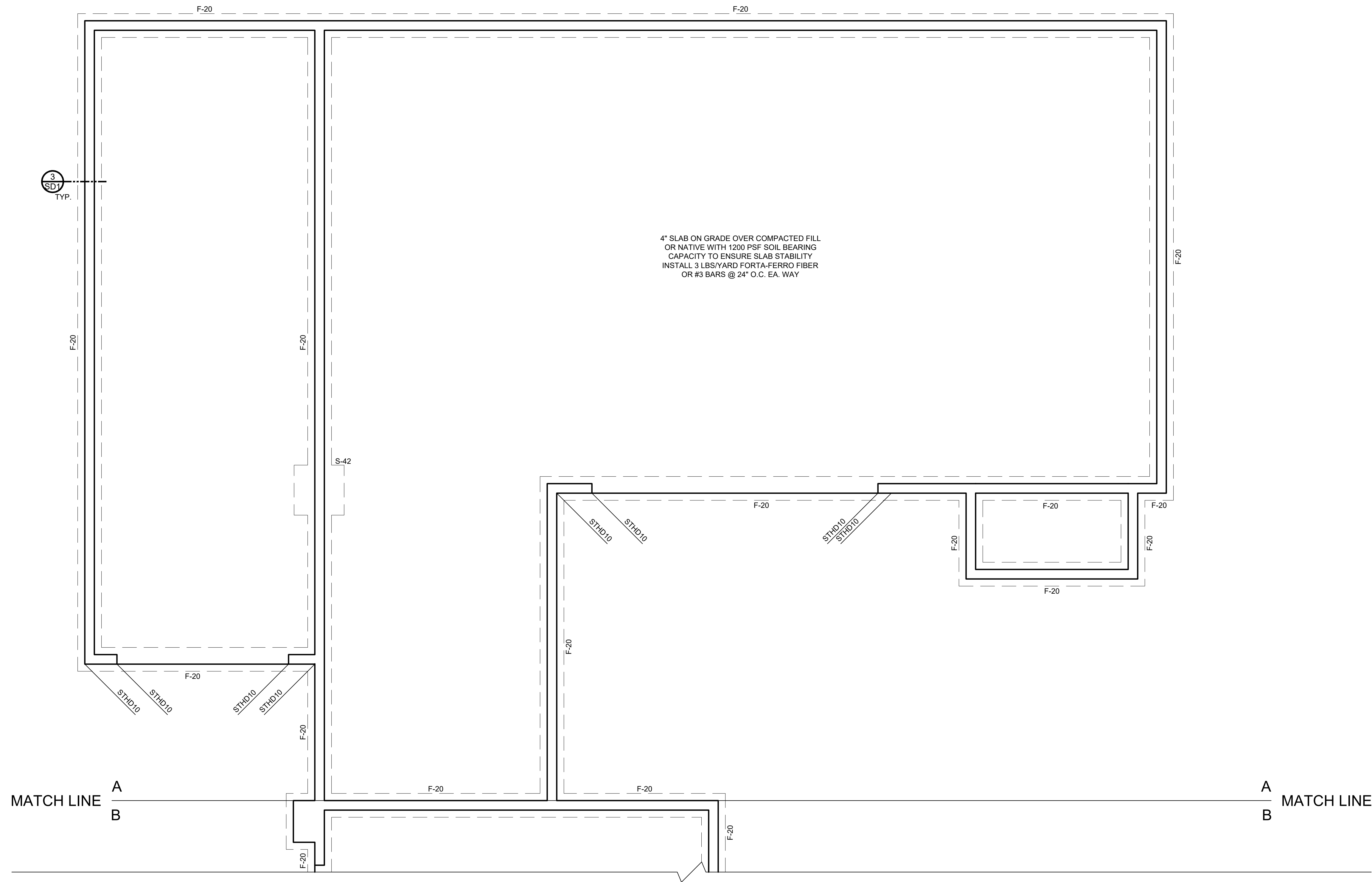
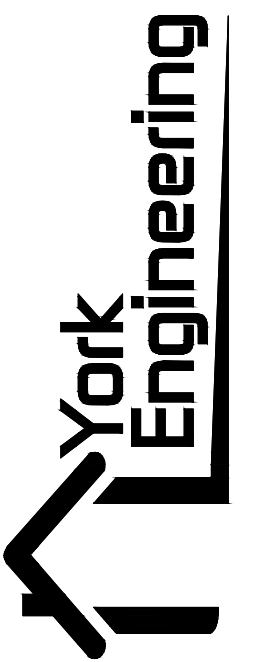
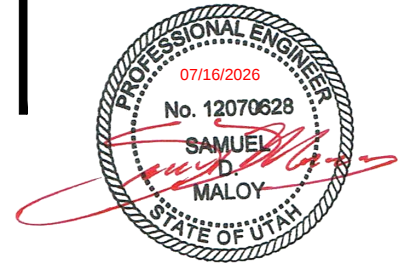




Engineer's Stamp:



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St. George, Utah 84790
(801)876-3501

Date	Author	Note
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ENGINEER: CH
REVIEWER: SM

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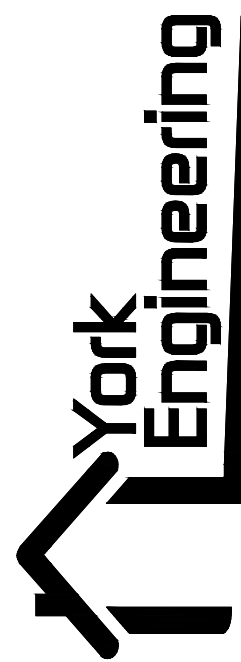
1893E, 12200 S.
DRAPER, UT

S1a



FOOTING/FOUNDATION PLAN

SCALE: 1/4"=1'-0"



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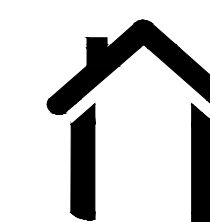
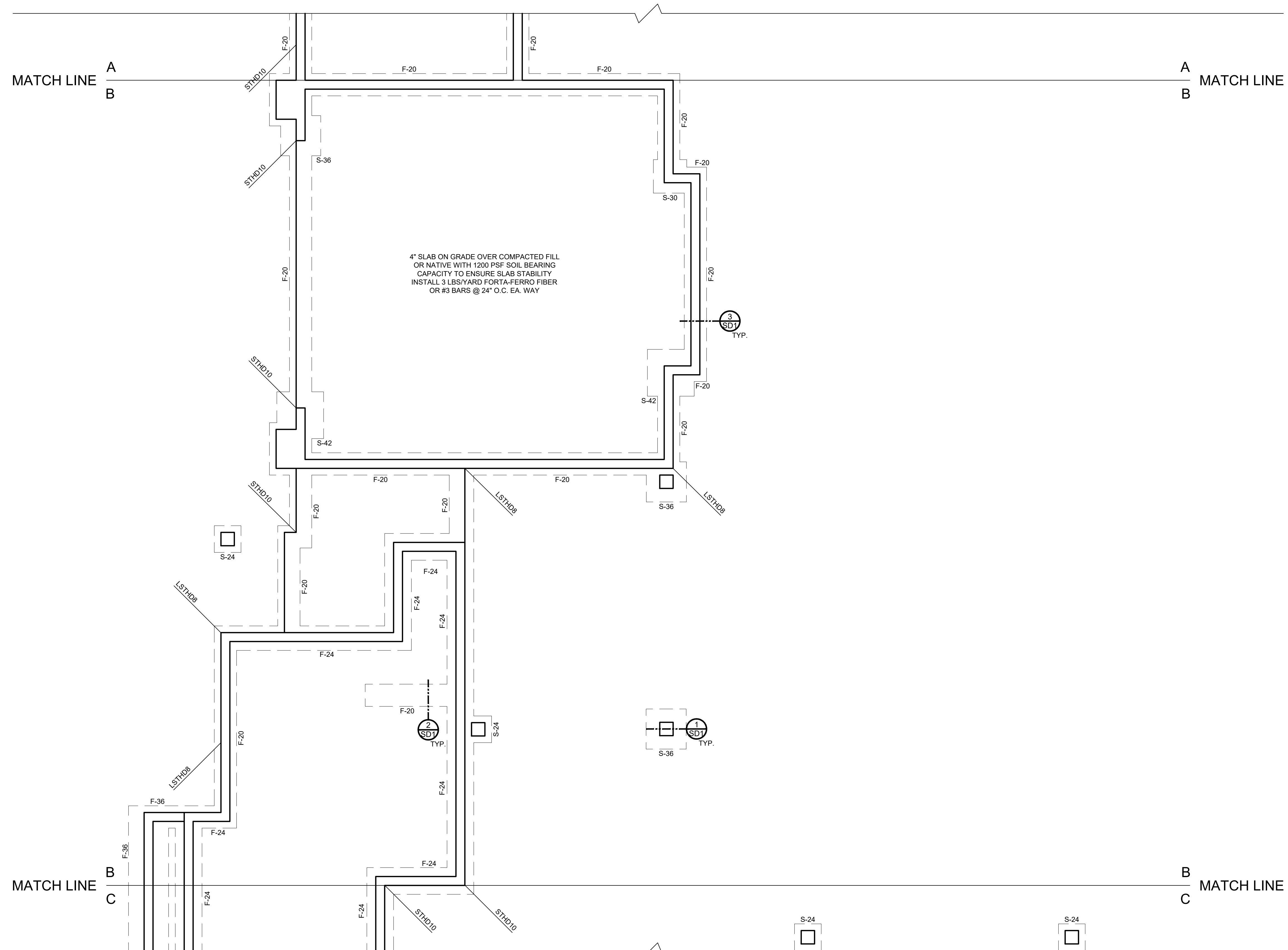
	Date	Author	Note
1	7/15/26	CH	Submitted for permitting

ENGINEER: CH
REVIEWER: SM

FELLER RESIDENCE
1802E 12200 S

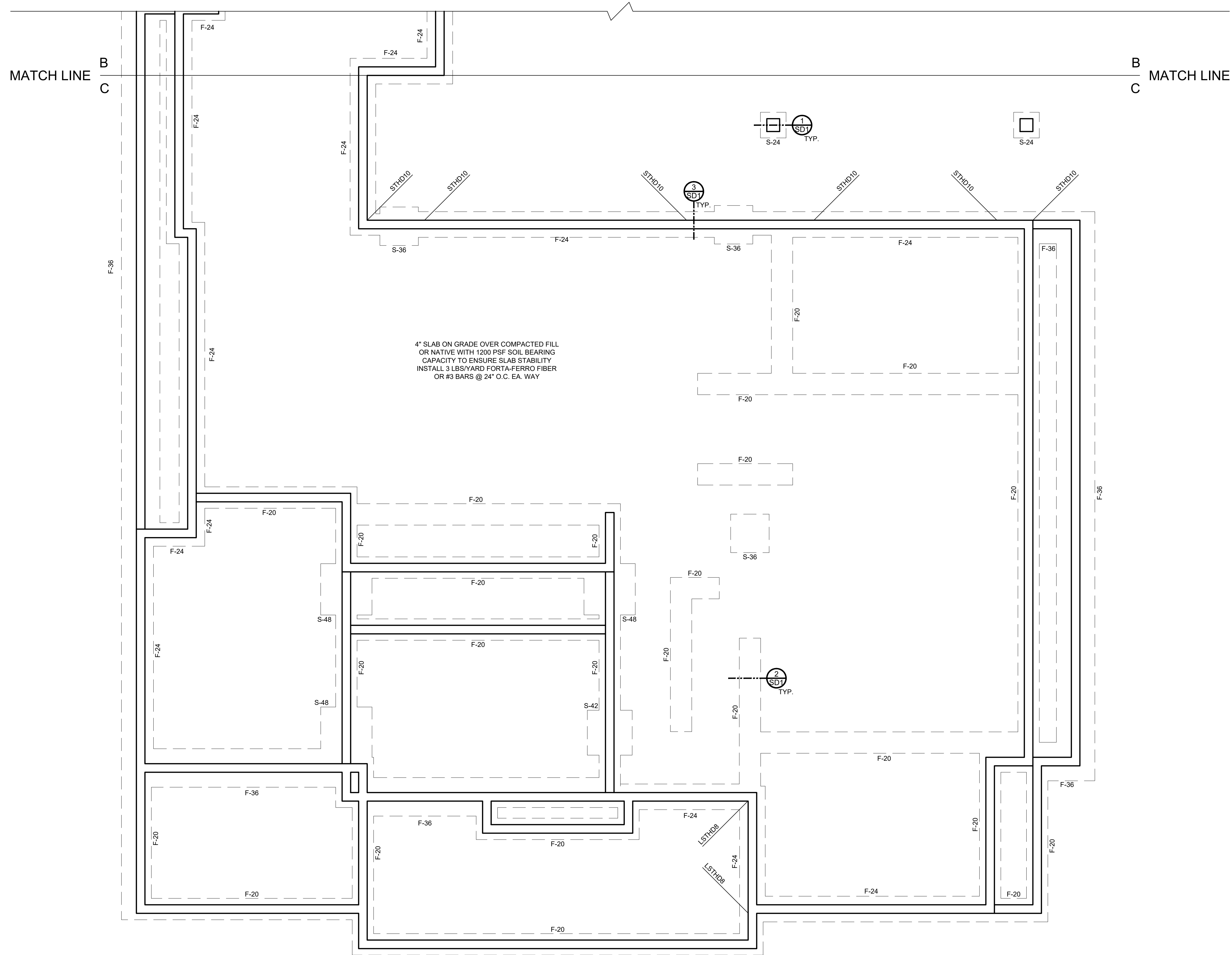
1893E. 12200 S.
DRAPER, UT

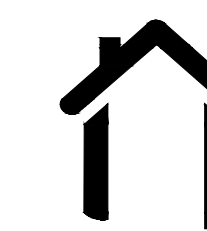
S1b

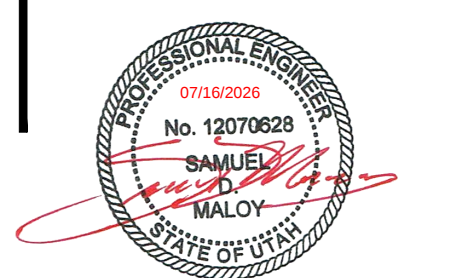


FOOTING/FOUNDATION PLAN

SCALE: 1/4"=1'-0"



 **FOOTING/FOUNDATION PLAN**
SCALE: 1/4"=1'-0"

Engineer's Stamp:


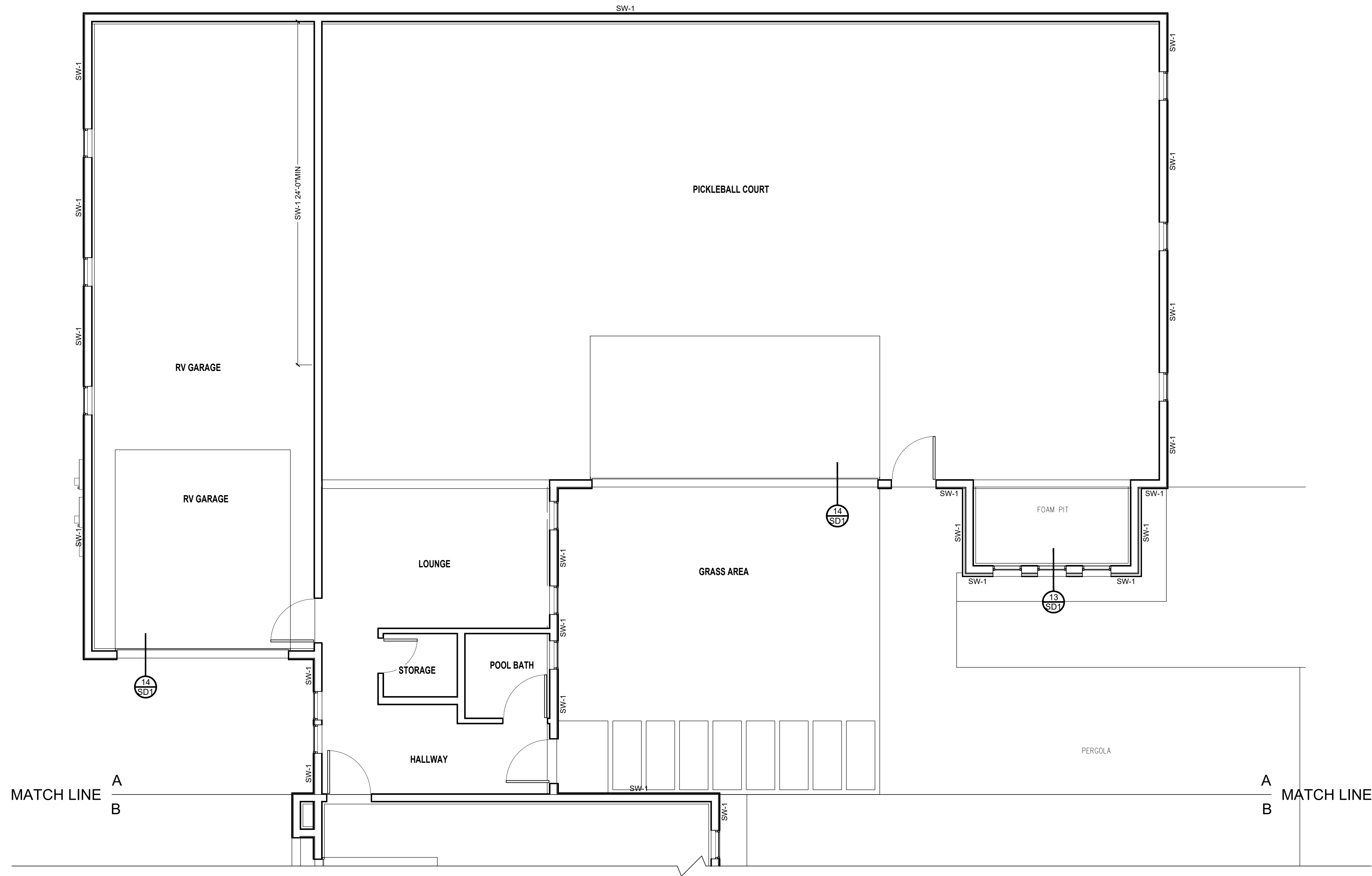
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ENGINEER: CH
REVIEWER: SM

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S1c



MAIN LEVEL SHEAR WALL PLAN

SCALE: 1/4"=1'-0"

FELLER RESIDENCE

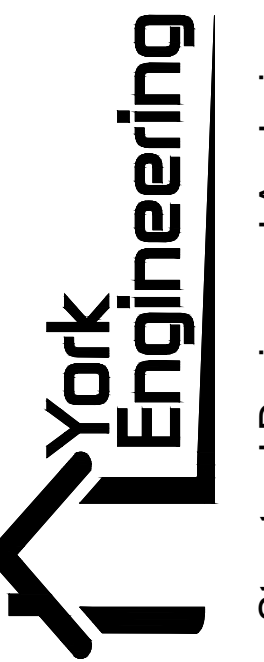
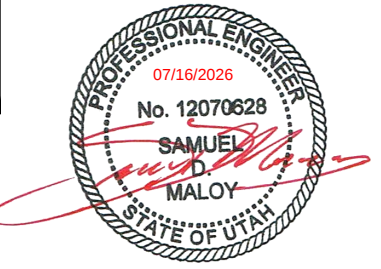
1893E, 12200 S.
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S2a

ENGINEER: CH
REVIEWER: SM

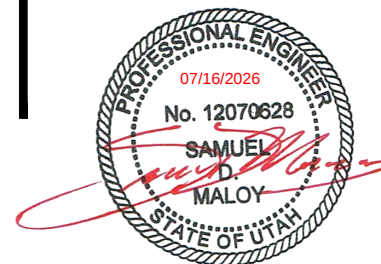
Date	Author	Note
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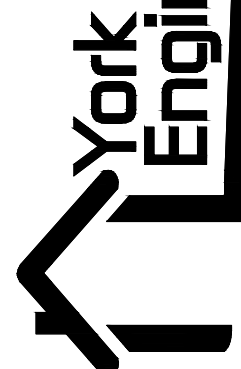
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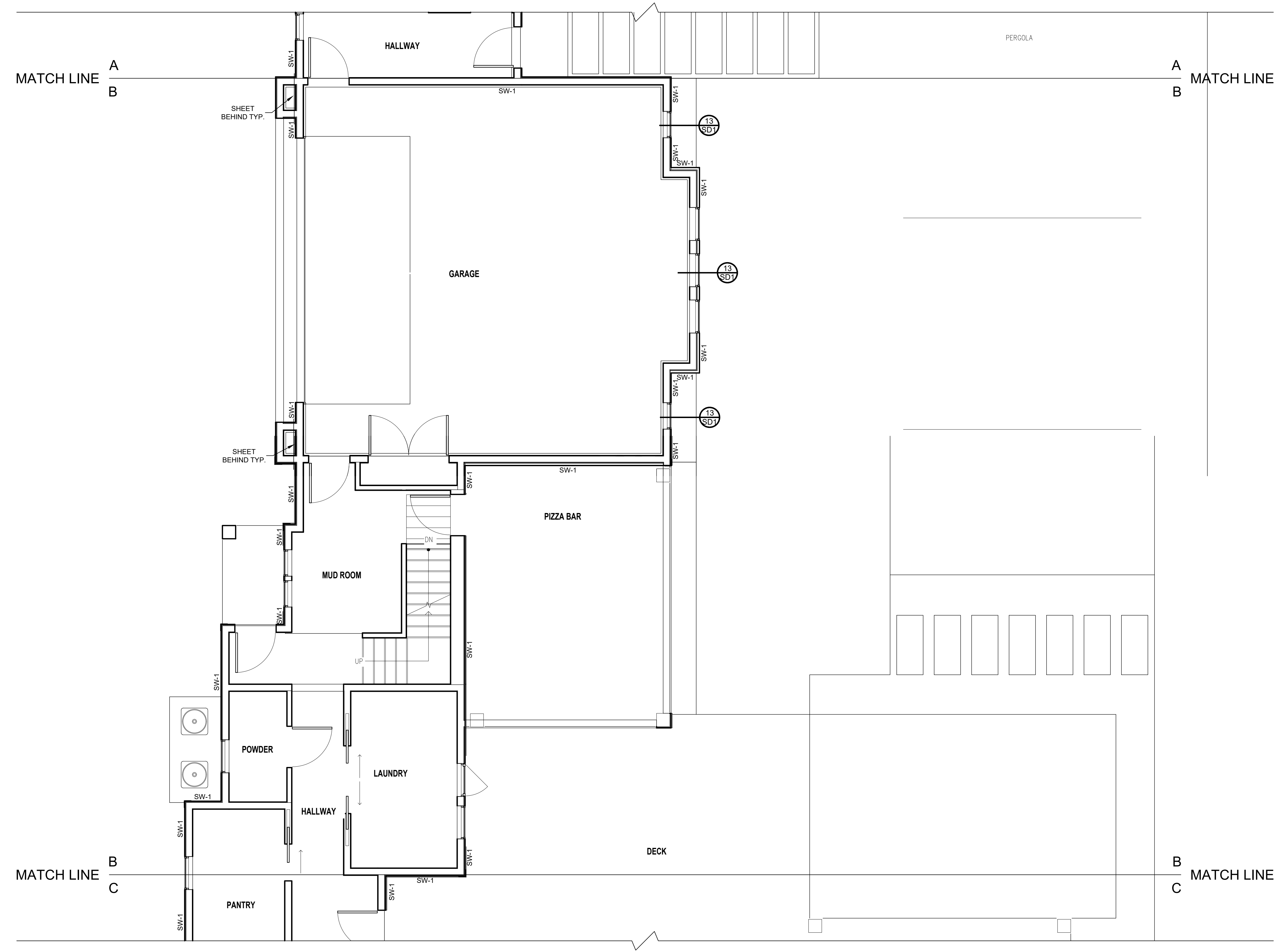
ENGINEER: CH

REVIEWER: SM

FELLER RESIDENCE

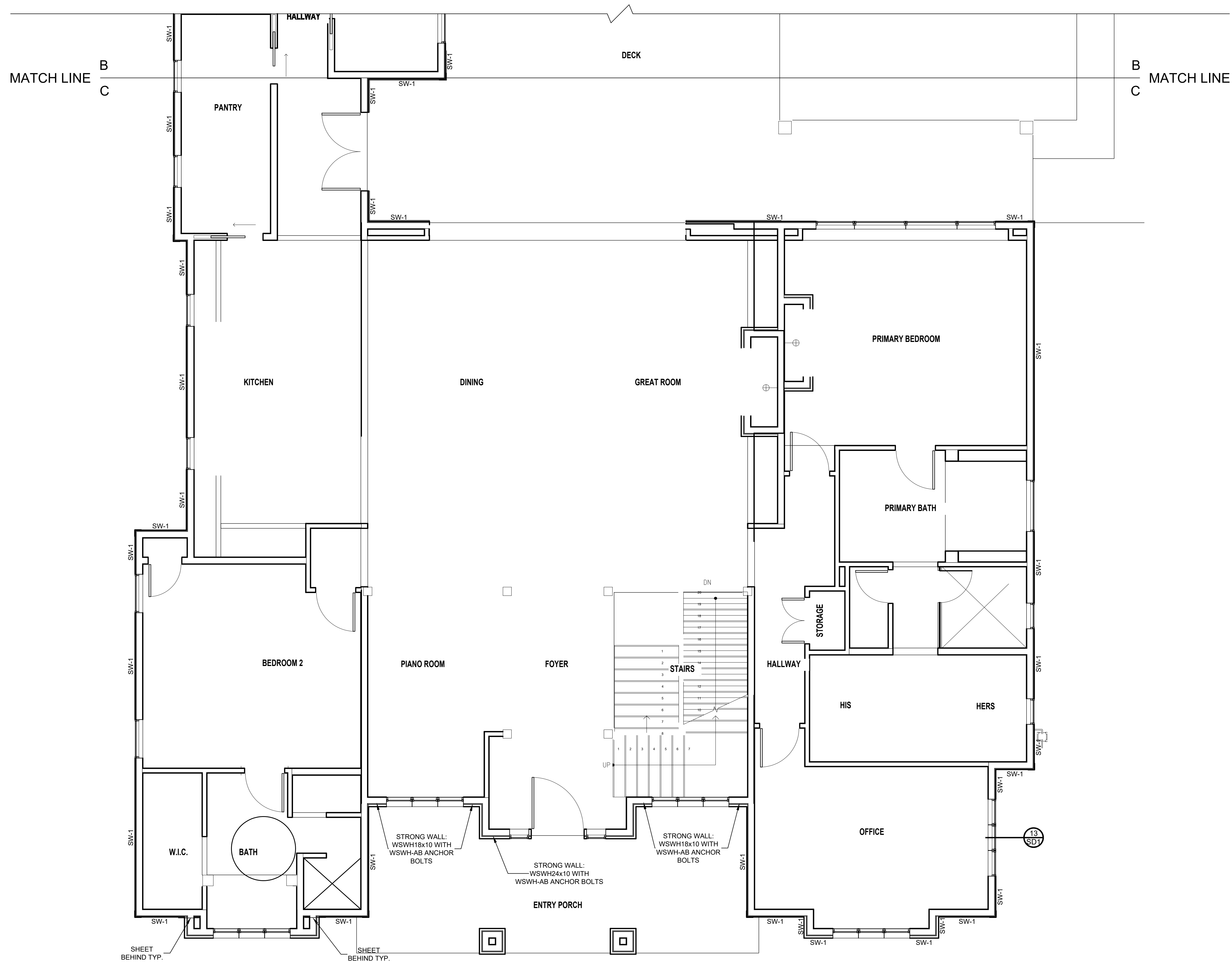
1893E, 12200 S.
DRAPER, UT

S2b

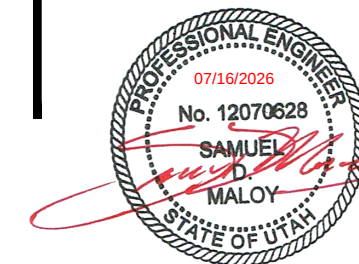


MAIN LEVEL SHEAR WALL PLAN

SCALE: 1/4"=1'-0"



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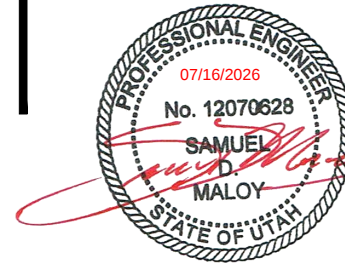


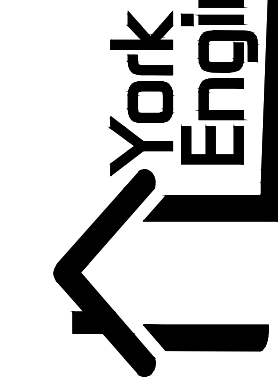
MAIN LEVEL SHEAR WALL PLAN

SCALE: 1/4"=1'-0"

S2c

Engineer's Stamp:



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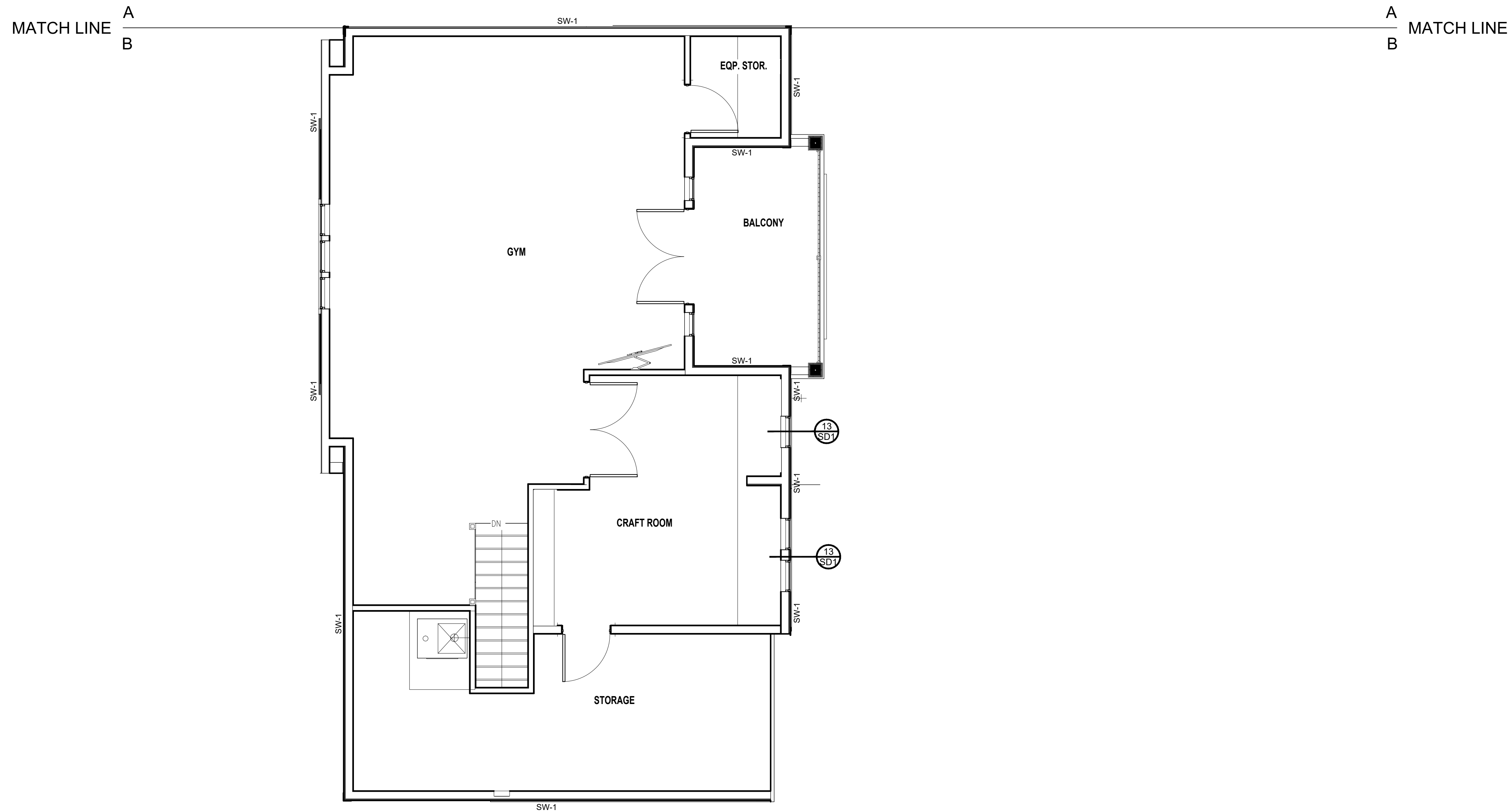
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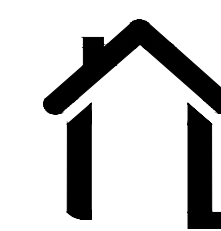
Date	Author	Note
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S3b

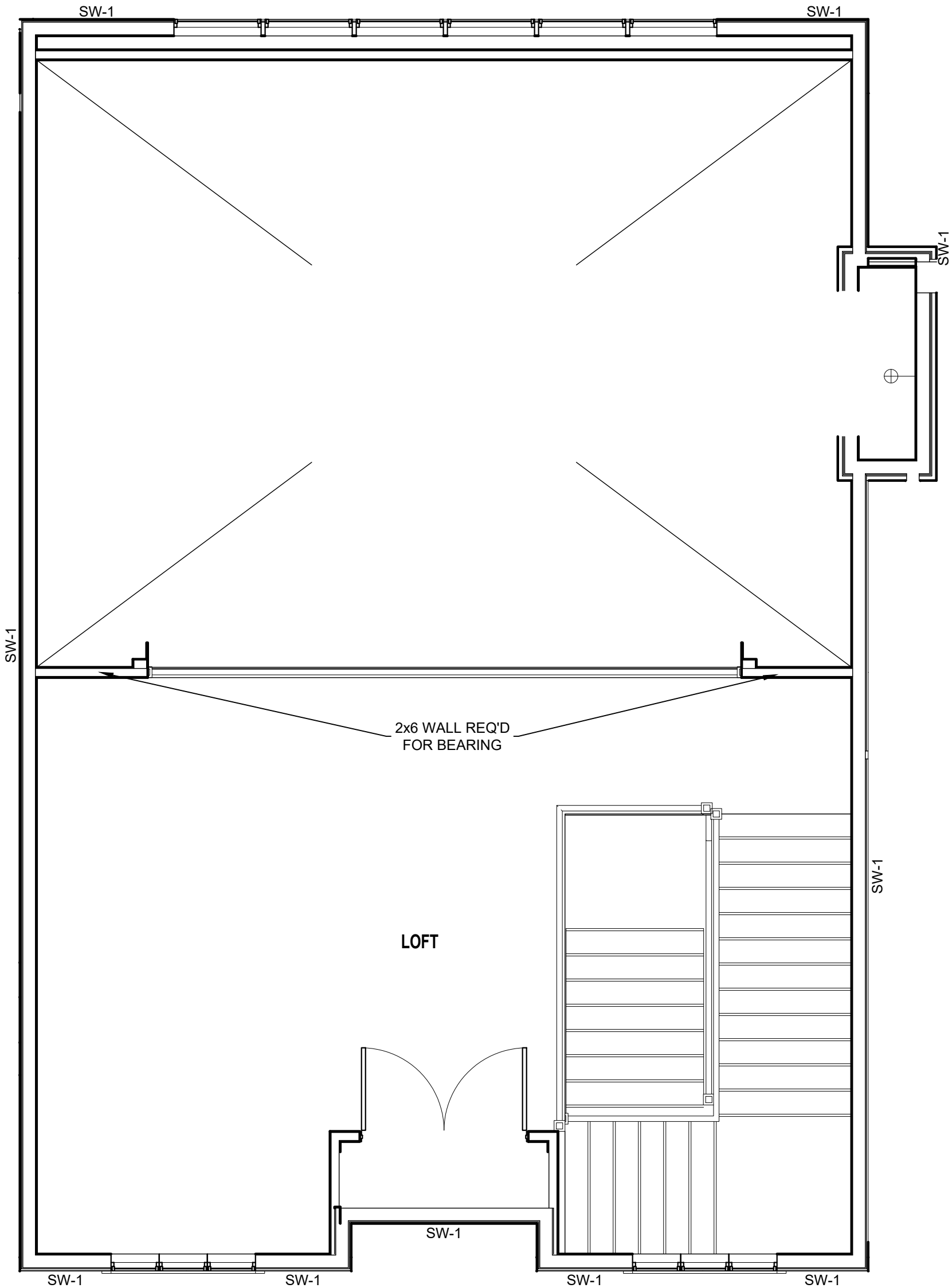


UPPER LEVEL SHEAR WALL PLAN

SCALE: 1/4"=1'-0"

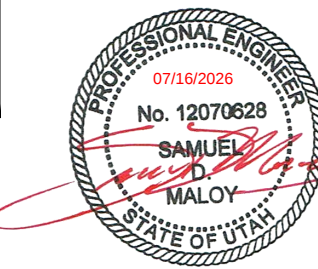
MATCH LINE
B
C

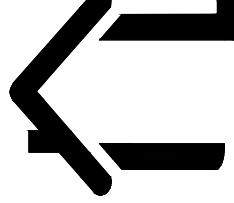
B
C MATCH LINE



 UPPER LEVEL SHEAR WALL PLAN
SCALE: 1/4"=1'-0"

Engineer's Stamp:



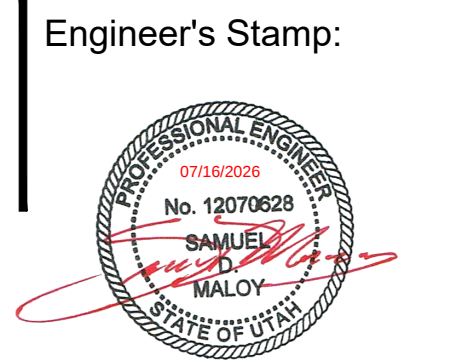
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S3c



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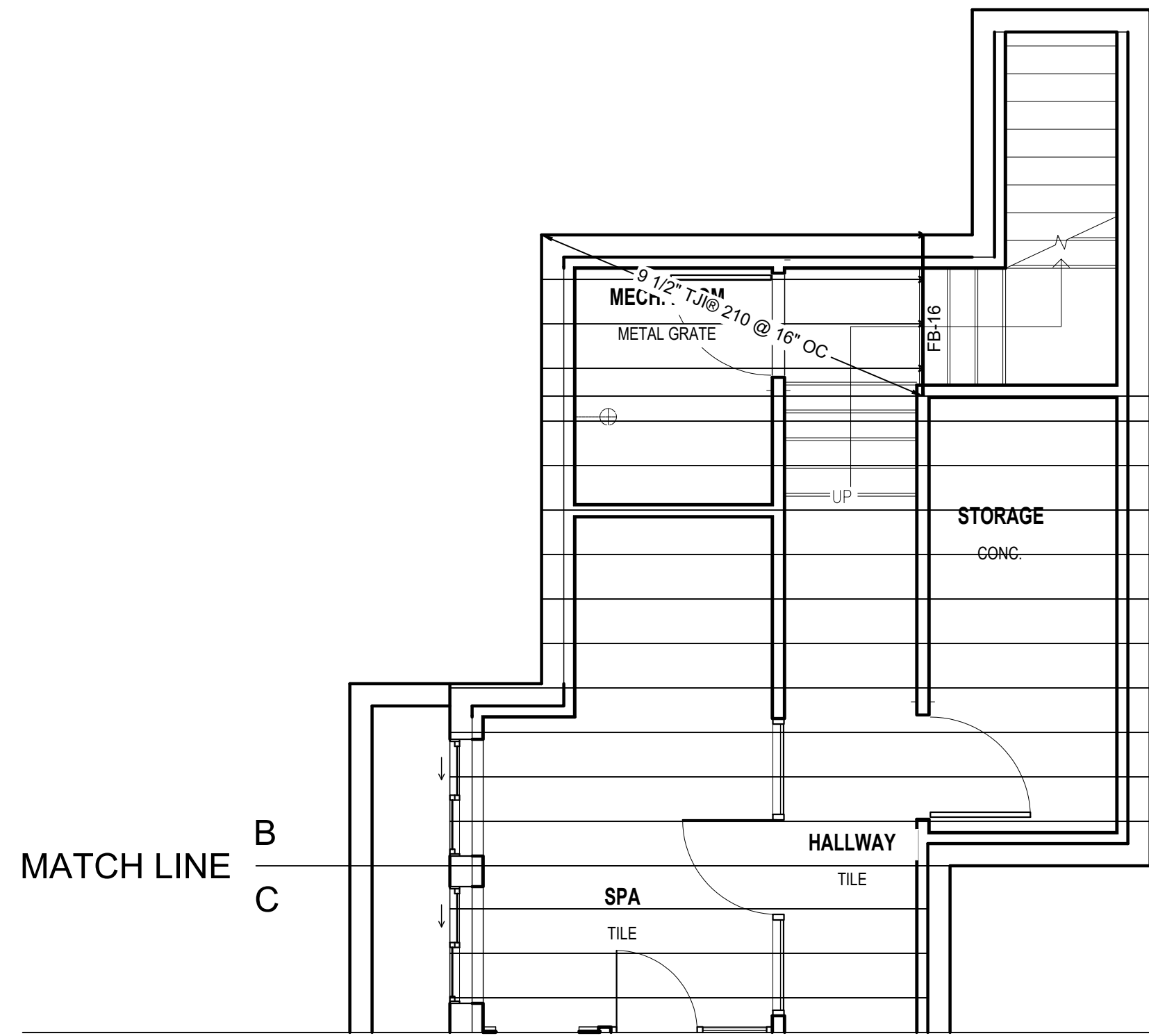
S4b

MATCH LINE
A
B

MATCH LINE
A
B

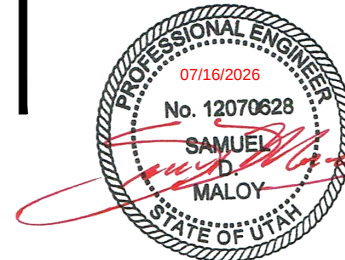
OPENINGS ON BEARING WALLS	
UNLESS OTHERWISE NOTED	
SPAN <5'-0"	(1) TRIMMER AND (1) KING STUD
SPAN 5'-1" - 18'-0"	(2) TRIMMERS AND (1) KING STUD
FOR WALLS TALLER THAN 10', USE DOUBLE KING STUDS	
UNLESS NOTED OTHERWISE, PROVIDE (2) 2X TO SUPPORT ALL BEAMS/GIRDERS	

MAIN LEVEL FLOOR BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
FB-1:	(2) 1 3/4" x 18" LVL	
FB-2:	(1) 1 3/4" x 18" LVL	
FB-3:	(4) 1 3/4" x 18" LVL	
FB-4:	(2) 1 3/4" x 18" LVL	
FB-5:	(2) 1 3/4" x 18" LVL	
FB-6:	(4) 1 3/4" x 18" LVL	
FB-7:	(1) 1 3/4" x 18" LVL	
FB-8:	(1) 1 3/4" x 18" LVL	
FB-9:	(2) 1 3/4" x 18" LVL	
FB-10:	(2) 1 3/4" x 18" LVL	
FB-11:	(1) 1 3/4" x 18" LVL	
FB-12:	(1) 1 3/4" x 18" LVL	
FB-13:	(1) 1 3/4" x 18" LVL	
FB-14:	(2) 1 3/4" x 18" LVL	
FB-15:	(2) 1 3/4" x 14" LVL	
FB-16:	(2) 1 3/4" x 9 1/2" LVL	
FB-17:	(1) 1 3/4" x 18" LVL	
FB-18:	(2) 2x8 DF #2	
FB-19:	(2) 1 3/4" x 11 7/8" LVL	
NOTE: HEADERBEAM ATTACHMENT (2) PLY MEMBERS: ATTACH TOGETHER WITH (3) 16d AT 12" O.C. (2) 16d OK FOR 2x8 HEADERS). -USE (4) 16d WHEN HEADERBEAM HEIGHT IS GREATER THAN 11" (3) PLY MEMBERS: USE (3) 16d AT 12" O.C. EACH SIDE FOR -USE (4) 16d WHEN HEADERBEAM HEIGHT IS GREATER THAN 11" (4) PLY MEMBERS: ATTACH TOGETHER WITH (2) 1/2" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" X 6" SCREWS AT 16" O.C. EACH SIDE OF HEADERBEAM U.N.O., SEE PLAN.		



MAIN LEVEL FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"

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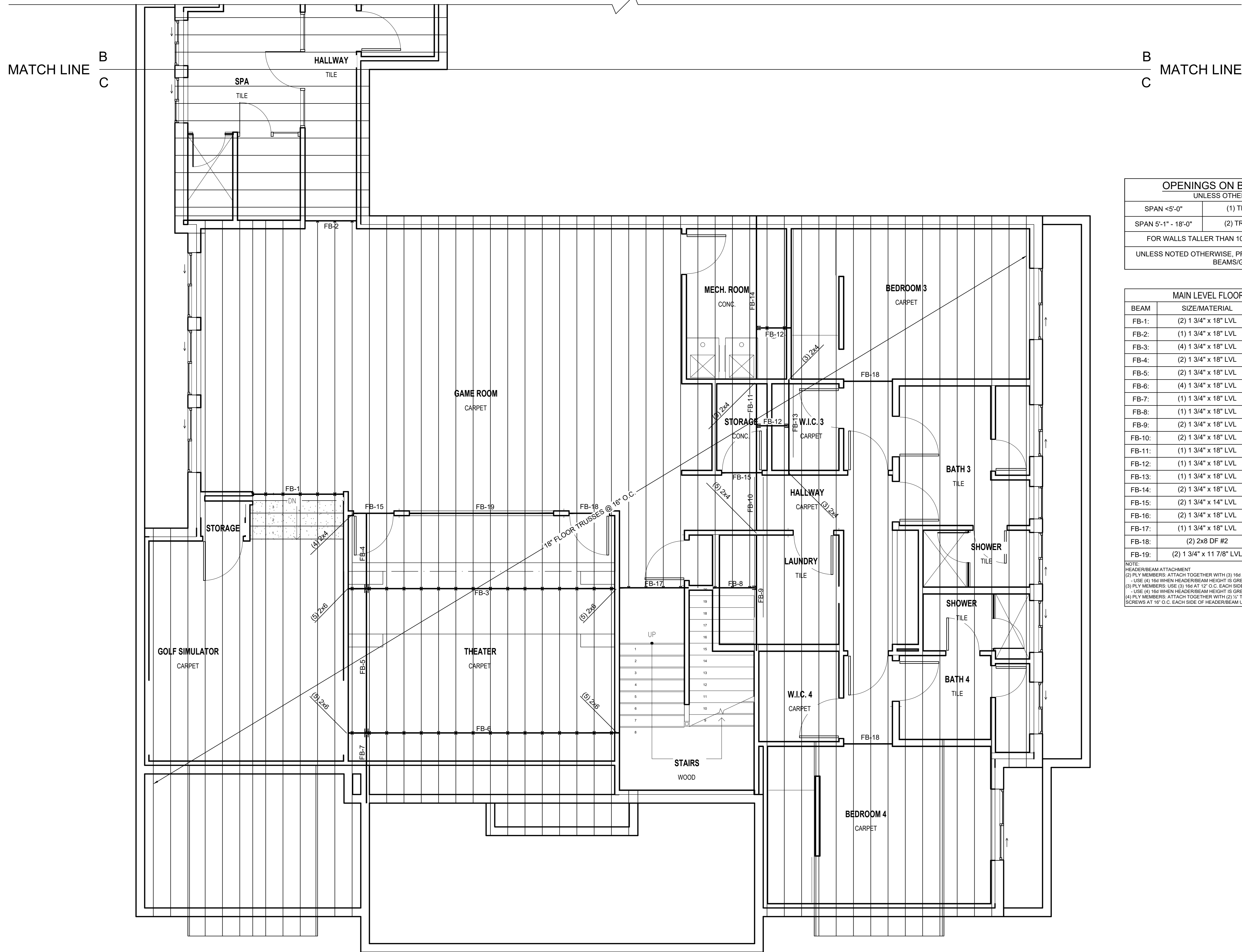
Date	Author	Note	Submitted for permitting
1	7/15/26	CH	

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S4c

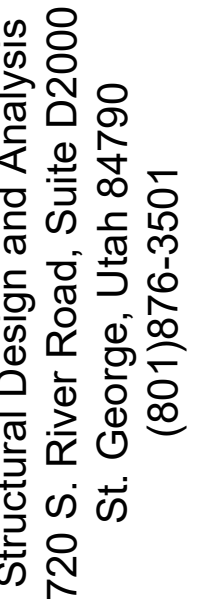


OPENINGS ON BEARING WALLS	
UNLESS OTHERWISE NOTED	
SPAN <5'-0"	(1) TRIMMER AND (1) KING STUD
SPAN 5'-1" - 18'-0"	(2) TRIMMERS AND (1) KING STUD
FOR WALLS TALLER THAN 10', USE DOUBLE KING STUDS	
UNLESS NOTED OTHERWISE, PROVIDE (2) 2X TO SUPPORT ALL BEAMS/GIRDERS	

MAIN LEVEL FLOOR BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
FB-1:	(2) 1 3/4" x 18" LVL	
FB-2:	(1) 1 3/4" x 18" LVL	
FB-3:	(4) 1 3/4" x 18" LVL	
FB-4:	(2) 1 3/4" x 18" LVL	
FB-5:	(2) 1 3/4" x 18" LVL	
FB-6:	(4) 1 3/4" x 18" LVL	
FB-7:	(1) 1 3/4" x 18" LVL	
FB-8:	(1) 1 3/4" x 18" LVL	
FB-9:	(2) 1 3/4" x 18" LVL	
FB-10:	(2) 1 3/4" x 18" LVL	
FB-11:	(1) 1 3/4" x 18" LVL	
FB-12:	(1) 1 3/4" x 18" LVL	
FB-13:	(1) 1 3/4" x 18" LVL	
FB-14:	(2) 1 3/4" x 18" LVL	
FB-15:	(2) 1 3/4" x 14" LVL	
FB-16:	(2) 1 3/4" x 18" LVL	
FB-17:	(1) 1 3/4" x 18" LVL	
FB-18:	(2) 2x8 DF #2	
FB-19:	(2) 1 3/4" x 11 7/8" LVL	

NOTE:
HEADERBEAM ATTACHMENT
(2) PLY MEMBERS: ATTACH TOGETHER WITH (3) 16d AT 12" O.C. (2) 16d OK FOR 2x8 HEADERS).
-USE (4) 16d WHEN HEADERBEAM HEIGHT IS GREATER THAN 11"
(3) PLY MEMBERS: USE (3) 16d AT 12" O.C. EACH SIDE FOR
-USE (4) 16d WHEN HEADERBEAM HEIGHT IS GREATER THAN 11"
(4) PLY MEMBERS: ATTACH TOGETHER WITH (2) 1/2" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" x 6"
SCREWS AT 16" O.C. EACH SIDE OF HEADERBEAM U.N.O. - SEE PLAN.

MAIN LEVEL FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"



ROOF BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
RB-1:	W14x53 Steel	
RB-2:	(1) 1 3/4" x 14" LVL	
RB-3:	(1) 1 3/4" x 14" LVL	
RB-4:	(1) 1 3/4" x 14" LVL	
RB-5:	3 1/2" x 21" GLB	
RB-6:	(4) 1 3/4" x 16" LVL	
RB-7:	(3) 1 3/4" x 11 1/2" LVL	
RB-8:	(4) 1 3/4" x 16" LVL	
RB-9:	(2) 2X8's DF #2	
RB-10:	NOT USED	
RB-11:	NOT USED	
RB-12:	(2) 2X10's DF #2	
RB-13:	(2) 2X6's DF #2	
RB-14:	(2) 2X8's DF #2	
RB-15:	(2) 2X10's DF #2	
RB-16:	(3) 2X10's DF #2	
RB-17:	(2) 1 3/4" x 9 1/2" LVL	
RB-18:	(2) 2X8's DF #2	
RB-19:	(2) 2X6's DF #2	
RB-20:	NOT USED	
RB-21:	(2) 2X6's DF #2	
RB-22:	(2) 1 3/4" x 11 7/8" LVL	
RB-23:	NOT USED	
RB-24:	5 1/8" x 21" GLB	
RB-25:	(2) 2X6's DF #2	
RB-26:	(2) 1 3/4" x 11 7/8" LVL	
RB-27:	(2) 1 3/4" x 9 1/2" LVL	
RB-28:	(2) 1 3/4" x 7 1/4" LVL	
RB-29:	NOT USED	
RB-30:	(2) 2X6's DF #2	
RB-31:	NOT USED	
RB-32:	(2) 1 3/4" x 14" LVL	
RB-33:	(2) 1 3/4" x 14" LVL	
RB-34:	(2) 1 3/4" x 14" LVL	
RB-35:	(2) 2X6's DF #2	
RB-36:	(2) 2X6's DF #2	
RB-37:	(2) 1 3/4" x 18" LVL	
RB-38:	(2) 1 3/4" x 7 1/4" LVL	
RB-39:	(3) 1 3/4" x 18" LVL	

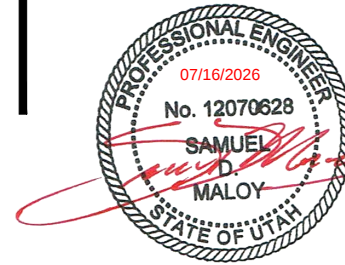
ENGINEER: CH
REVIEWER: SM

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DRAPER, UT

S5a



Engineer's Stamp:



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Structural Design and Analysis
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Date	Author	Note
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ENGINEER: CH
REVIEWER: SM

FELLER RESIDENCE
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S5b

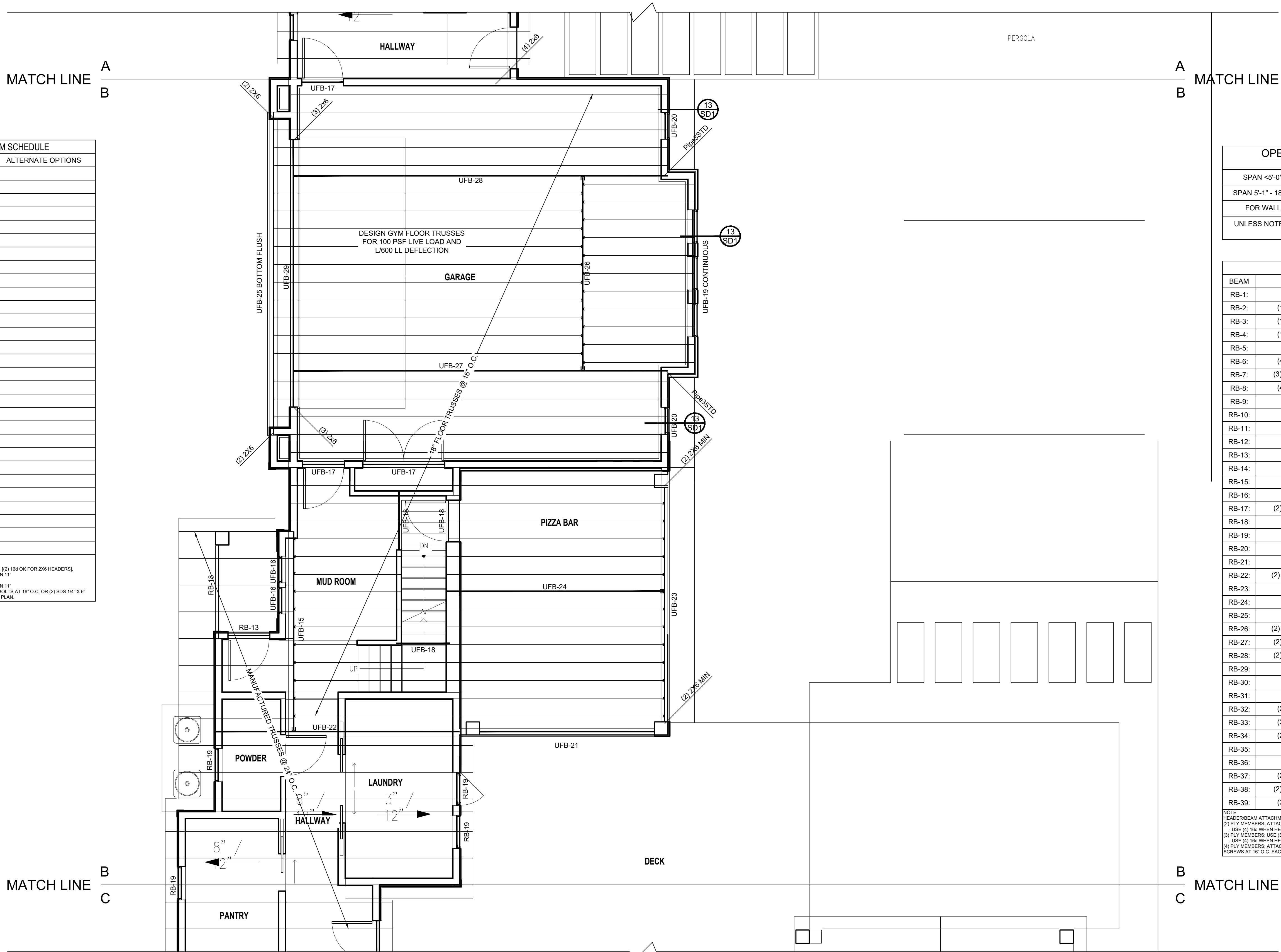
UPPER LEVEL FLOOR BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
UFB-1:	(1) 1 3/4" x 18" LVL	
UFB-2:	(1) 1 3/4" x 18" LVL	
UFB-3:	(1) 1 3/4" x 18" LVL	
UFB-4:	(1) 1 3/4" x 18" LVL	
UFB-5:	(2) 1 3/4" x 7 1/4" LVL	
UFB-6:	(2) 2X8's DF #2	
UFB-7:	(3) 1 3/4" x 18" LVL	
UFB-8:	(2) 1 3/4" x 14" LVL	
UFB-9:	5 1/8" x 24" GLB	
UFB-10:	(2) 1 3/4" x 18" LVL	
UFB-11:	(2) 1 3/4" x 18" LVL	
UFB-12:	(2) 1 3/4" x 18" LVL	
UFB-13:	(3) 1 3/4" x 18" LVL	
UFB-14:	(3) 1 3/4" x 18" LVL	
UFB-15:	(2) 1 3/4" x 18" LVL	
UFB-16:	(2) 2X6's DF #2	
UFB-17:	(2) 2X6's DF #2	
UFB-18:	(1) 1 3/4" x 18" LVL	
UFB-19:	(2) 2X6's DF #2	
UFB-20:	(2) 2X6's DF #2	
UFB-21:	(1) 1 3/4" x 18" LVL	
UFB-22:	(2) 1 3/4" x 18" LVL	
UFB-23:	(3) 1 3/4" x 18" LVL	
UFB-24:	(2) 1 3/4" x 18" LVL	
UFB-25:	(3) 1 3/4" x 18" LVL	
UFB-26:	(2) 1 3/4" x 18" LVL	
UFB-27:	W16x57 Steel	
UFB-28:	W16x57 Steel	
UFB-29:	(3) 1 3/4" x 18" LVL	

NOTE:
HEADER/BEAM ATTACHMENT:
(2) PLY MEMBERS ATTACH TOGETHER WITH (3) 16d AT 12" O.C. (2) 16d OK FOR 2X6 HEADERS).
USE (4) 16d WHEN HEADER/BEAM HEIGHT IS GREATER THAN 11".
(3) PLY MEMBERS USE (3) 16d AT 12" O.C. EACH SIDE FOR
USE (4) 16d WHEN HEADER/BEAM HEIGHT IS GREATER THAN 11".
(4) PLY MEMBERS ATTACH TOGETHER WITH (2) 1/2" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" X 6" SCREWS AT 16" O.C. EACH SIDE OF HEADER/BEAM U.N.O., SEE PLAN.

OPENINGS ON BEARING WALLS	
UNLESS OTHERWISE NOTED	
SPAN <5'-0"	(1) TRIMMER AND (1) KING STUD
SPAN 5'-1" - 18'-0"	(2) TRIMMERS AND (1) KING STUD
FOR WALLS TALLER THAN 10', USE DOUBLE KING STUDS	
UNLESS NOTED OTHERWISE, PROVIDE (2) 2X TO SUPPORT ALL BEAMS/GIRDERS	

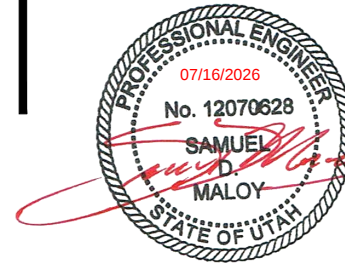
ROOF BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
RB-1:	W14x53 Steel	
RB-2:	(1) 1 3/4" x 14" LVL	
RB-3:	(1) 1 3/4" x 14" LVL	
RB-4:	(1) 1 3/4" x 14" LVL	
RB-5:	3 1/2" x 21" GLB	
RB-6:	(4) 1 3/4" x 16" LVL	
RB-7:	(3) 1 3/4" x 11 7/8" LVL	
RB-8:	(4) 1 3/4" x 16" LVL	
RB-9:	(2) 2X8's DF #2	
RB-10:	NOT USED	
RB-11:	NOT USED	
RB-12:	(2) 2X10's DF #2	
RB-13:	(2) 2X6's DF #2	
RB-14:	(2) 2X8's DF #2	
RB-15:	(2) 2X10's DF #2	
RB-16:	(3) 2X10's DF #2	
RB-17:	(2) 1 3/4" x 9 1/2" LVL	
RB-18:	(2) 2X8's DF #2	
RB-19:	(2) 2X6's DF #2	
RB-20:	NOT USED	
RB-21:	(2) 2X8's DF #2	
RB-22:	(2) 1 3/4" x 11 7/8" LVL	
RB-23:	NOT USED	
RB-24:	5 1/8" x 21" GLB	
RB-25:	(2) 2X6's DF #2	
RB-26:	(2) 1 3/4" x 11 7/8" LVL	
RB-27:	(2) 1 3/4" x 9 1/2" LVL	
RB-28:	(2) 1 3/4" x 7 1/4" LVL	
RB-29:	NOT USED	
RB-30:	(2) 2X8's DF #2	
RB-31:	NOT USED	
RB-32:	(2) 1 3/4" x 14" LVL	
RB-33:	(2) 1 3/4" x 14" LVL	
RB-34:	(2) 1 3/4" x 14" LVL	
RB-35:	(2) 2X6's DF #2	
RB-36:	(2) 2X8's DF #2	
RB-37:	(2) 1 3/4" x 18" LVL	
RB-38:	(2) 1 3/4" x 7 1/4" LVL	
RB-39:	(3) 1 3/4" x 18" LVL	

NOTE:
HEADER/BEAM ATTACHMENT:
(2) PLY MEMBERS ATTACH TOGETHER WITH (3) 16d AT 12" O.C. (2) 16d OK FOR 2X6 HEADERS).
USE (4) 16d WHEN HEADER/BEAM HEIGHT IS GREATER THAN 11".
(3) PLY MEMBERS USE (3) 16d AT 12" O.C. EACH SIDE FOR
USE (4) 16d WHEN HEADER/BEAM HEIGHT IS GREATER THAN 11".
(4) PLY MEMBERS ATTACH TOGETHER WITH (2) 1/2" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" X 6" SCREWS AT 16" O.C. EACH SIDE OF HEADER/BEAM U.N.O., SEE PLAN.



UPPER LEVEL FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"

Engineer's Stamp:



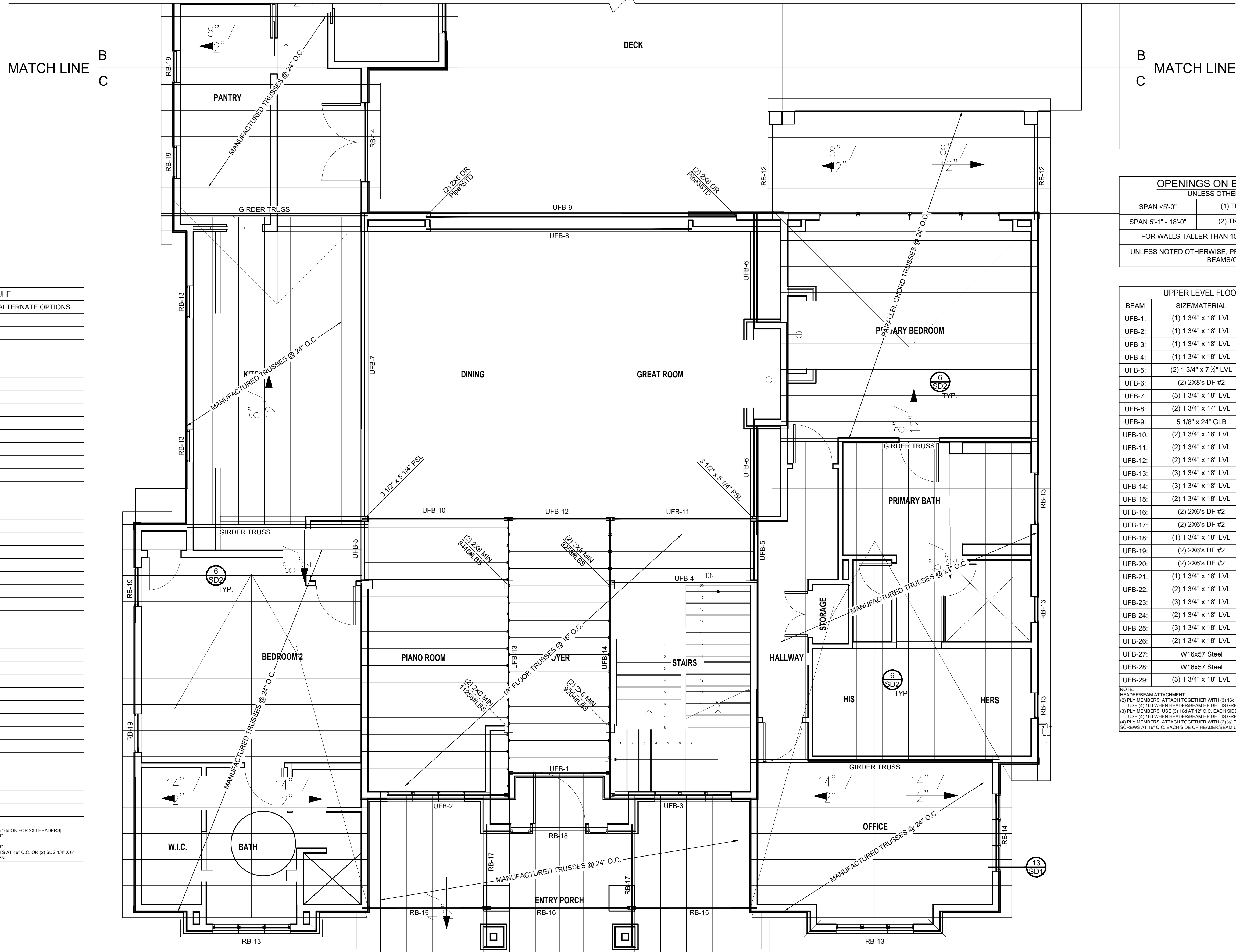
York Engineering
Structural Design and Analysis
720 S. River Road, Suite D2000
St. George, Utah 84790
(801)876-3501

Date	Author	Note
1	CH	Submitted for permitting

ENGINEER: CH
REVIEWER: SM

FELLER RESIDENCE
1893E, 12200 S.
DRAPER, UT

S5c



ROOF BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
RB-1:	W14x53 Steel	
RB-2:	(1) 1 3/4" x 14" LVL	
RB-3:	(1) 1 3/4" x 14" LVL	
RB-4:	(1) 1 3/4" x 14" LVL	
RB-5:	3 1/2" x 21" GLB	
RB-6:	(4) 1 3/4" x 16" LVL	
RB-7:	(3) 1 3/4" x 11 7/8" LVL	
RB-8:	(4) 1 3/4" x 16" LVL	
RB-9:	(2) 2X8's DF #2	
RB-10:	NOT USED	
RB-11:	NOT USED	
RB-12:	(2) 2X10's DF #2	
RB-13:	(2) 2X6's DF #2	
RB-14:	(2) 2X8's DF #2	
RB-15:	(2) 2X10's DF #2	
RB-16:	(3) 2X10's DF #2	
RB-17:	(2) 1 3/4" x 9 1/2" LVL	
RB-18:	(2) 2X8's DF #2	
RB-19:	(2) 2X6's DF #2	
RB-20:	NOT USED	
RB-21:	(2) 2X6's DF #2	
RB-22:	(2) 1 3/4" x 11 7/8" LVL	
RB-23:	NOT USED	
RB-24:	5 1/8" x 21" GLB	
RB-25:	(2) 2X6's DF #2	
RB-26:	(2) 1 3/4" x 11 7/8" LVL	
RB-27:	(2) 1 3/4" x 9 1/2" LVL	
RB-28:	(2) 1 3/4" x 7 1/4" LVL	
RB-29:	NOT USED	
RB-30:	(2) 2X6's DF #2	
RB-31:	NOT USED	
RB-32:	(2) 1 3/4" x 14" LVL	
RB-33:	(2) 1 3/4" x 14" LVL	
RB-34:	(2) 1 3/4" x 14" LVL	
RB-35:	(2) 2X6's DF #2	
RB-36:	(2) 2X6's DF #2	
RB-37:	(2) 1 3/4" x 18" LVL	
RB-38:	(2) 1 3/4" x 7 1/4" LVL	
RB-39:	(3) 1 3/4" x 18" LVL	

NOTE:
HEADER/BEAM ATTACHMENT:
(2) PLY MEMBERS ATTACH TOGETHER WITH (3) 16d AT 12" O.C. (2) 16d OK FOR 2X6 HEADERS).
(3) PLY MEMBERS ATTACH TOGETHER WITH (3) 16d AT 12" O.C. EACH SIDE FOR
(4) 16d WHEN HEADER/BEAM HEIGHT IS GREATER THAN 11".
(5) PLY MEMBERS ATTACH TOGETHER WITH (2) 1/2" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" x 6"
SCREWS AT 16" O.C. EACH SIDE OF HEADER/BEAM U.N.O., SEE PLAN.

OPENINGS ON BEARING WALLS		
UNLESS OTHERWISE NOTED		
SPAN <5'-0"	(1) TRIMMER AND (1) KING STUD	
SPAN 5'-1" - 18'-0"	(2) TRIMMERS AND (1) KING STUD	
FOR WALLS TALLER THAN 10', USE DOUBLE KING STUDS		
UNLESS NOTED OTHERWISE, PROVIDE (2) 2X TO SUPPORT ALL BEAMS/GIRDERS		

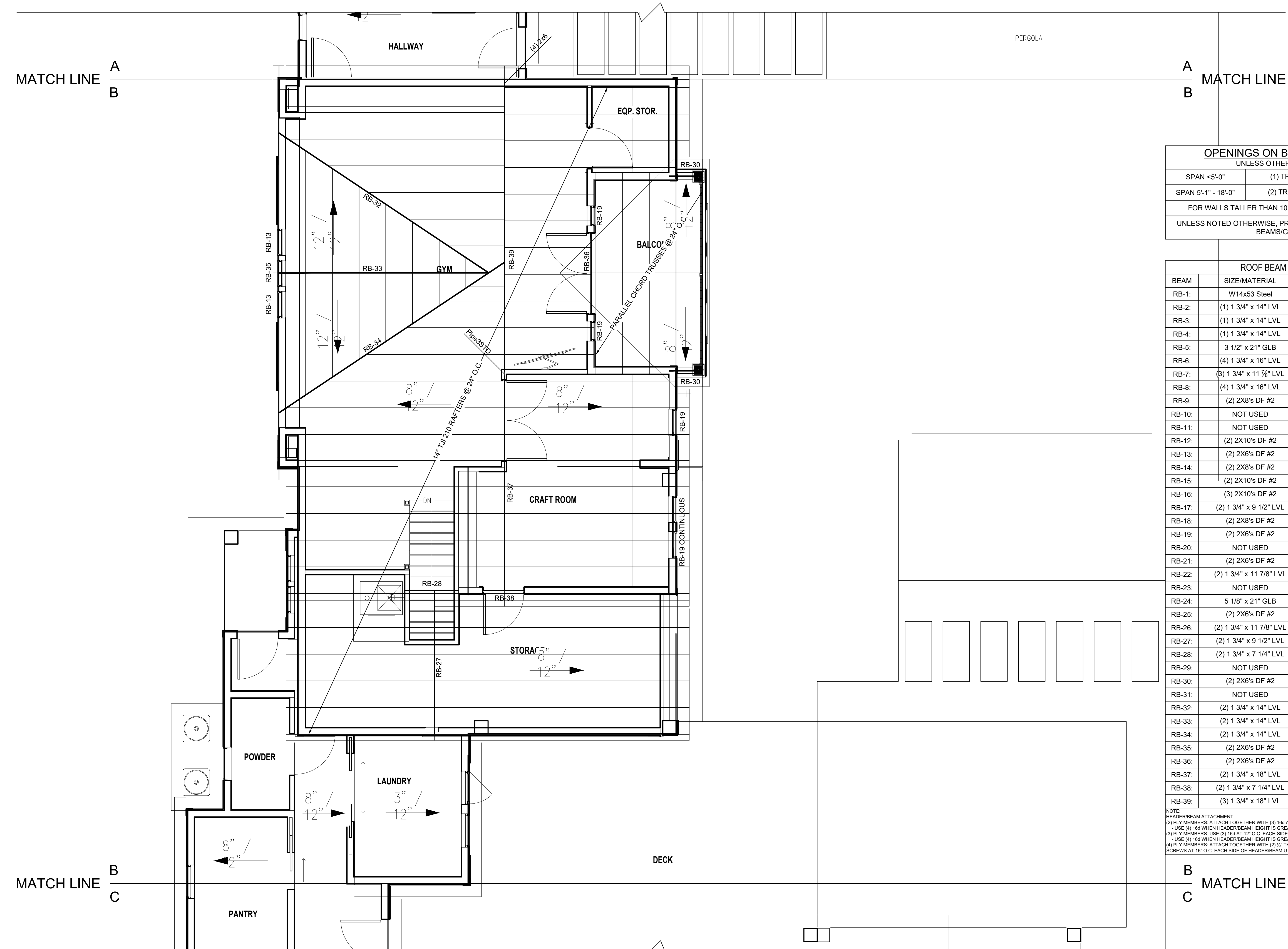
UPPER LEVEL FLOOR BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
UFB-1:	(1) 1 3/4" x 18" LVL	
UFB-2:	(1) 1 3/4" x 18" LVL	
UFB-3:	(1) 1 3/4" x 18" LVL	
UFB-4:	(1) 1 3/4" x 18" LVL	
UFB-5:	(2) 1 3/4" x 7 1/2" LVL	
UFB-6:	(2) 2X8's DF #2	
UFB-7:	(3) 1 3/4" x 18" LVL	
UFB-8:	(2) 1 3/4" x 14" LVL	
UFB-9:	5 1/8" x 24" GLB	
UFB-10:	(2) 1 3/4" x 18" LVL	
UFB-11:	(2) 1 3/4" x 18" LVL	
UFB-12:	(2) 1 3/4" x 18" LVL	
UFB-13:	(3) 1 3/4" x 18" LVL	
UFB-14:	(3) 1 3/4" x 18" LVL	
UFB-15:	(2) 1 3/4" x 18" LVL	
UFB-16:	(2) 2X6's DF #2	
UFB-17:	(2) 2X6's DF #2	
UFB-18:	(1) 1 3/4" x 18" LVL	
UFB-19:	(2) 2X6's DF #2	
UFB-20:	(2) 2X6's DF #2	
UFB-21:	(1) 1 3/4" x 18" LVL	
UFB-22:	(2) 1 3/4" x 18" LVL	
UFB-23:	(3) 1 3/4" x 18" LVL	
UFB-24:	(2) 1 3/4" x 18" LVL	
UFB-25:	(3) 1 3/4" x 18" LVL	
UFB-26:	(2) 1 3/4" x 18" LVL	
UFB-27:	W16x57 Steel	
UFB-28:	W16x57 Steel	
UFB-29:	(3) 1 3/4" x 18" LVL	

NOTE:
HEADER/BEAM ATTACHMENT:
(2) PLY MEMBERS ATTACH TOGETHER WITH (3) 16d AT 12" O.C. (2) 16d OK FOR 2X6 HEADERS).
(3) PLY MEMBERS ATTACH TOGETHER WITH (3) 16d AT 12" O.C. EACH SIDE FOR
(4) 16d WHEN HEADER/BEAM HEIGHT IS GREATER THAN 11".
(5) PLY MEMBERS ATTACH TOGETHER WITH (2) 1/2" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" x 6"
SCREWS AT 16" O.C. EACH SIDE OF HEADER/BEAM U.N.O., SEE PLAN.

UPPER LEVEL FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"

Date	Author	Note
1	CH	Submitted for permitting

ENGINEER: CH
REVIEWER: SM

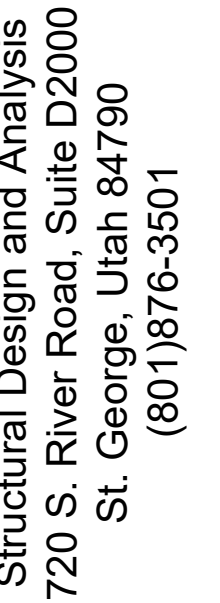


OPENINGS ON BEARING WALLS	
UNLESS OTHERWISE NOTED	
SPAN <5'-0"	(1) TRIMMER AND (1) KING STUD
SPAN 5'-1" - 18'-0"	(2) TRIMMERS AND (1) KING STUD
FOR WALLS TALLER THAN 10', USE DOUBLE KING STUDS	
UNLESS NOTED OTHERWISE, PROVIDE (2) 2X TO SUPPORT ALL BEAMS/GIRDERS	

ROOF BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
RB-1:	W14x53 Steel	
RB-2:	(1) 1 3/4" x 14" LVL	
RB-3:	(1) 1 3/4" x 14" LVL	
RB-4:	(1) 1 3/4" x 14" LVL	
RB-5:	3 1/2" x 21" GLB	
RB-6:	(4) 1 3/4" x 16" LVL	
RB-7:	(3) 1 3/4" x 11 7/8" LVL	
RB-8:	(4) 1 3/4" x 16" LVL	
RB-9:	(2) 2X8's DF #2	
RB-10:	NOT USED	
RB-11:	NOT USED	
RB-12:	(2) 2X10's DF #2	
RB-13:	(2) 2X6's DF #2	
RB-14:	(2) 2X8's DF #2	
RB-15:	(2) 2X10's DF #2	
RB-16:	(3) 2X10's DF #2	
RB-17:	(2) 1 3/4" x 9 1/2" LVL	
RB-18:	(2) 2X8's DF #2	
RB-19:	(2) 2X6's DF #2	
RB-20:	NOT USED	
RB-21:	(2) 2X6's DF #2	
RB-22:	(2) 1 3/4" x 11 7/8" LVL	
RB-23:	NOT USED	
RB-24:	5 1/8" x 21" GLB	
RB-25:	(2) 2X6's DF #2	
RB-26:	(2) 1 3/4" x 11 7/8" LVL	
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RB-28:	(2) 1 3/4" x 7 1/4" LVL	
RB-29:	NOT USED	
RB-30:	(2) 2X6's DF #2	
RB-31:	NOT USED	
RB-32:	(2) 1 3/4" x 14" LVL	
RB-33:	(2) 1 3/4" x 14" LVL	
RB-34:	(2) 1 3/4" x 14" LVL	
RB-35:	(2) 2X6's DF #2	
RB-36:	(2) 2X6's DF #2	
RB-37:	(2) 1 3/4" x 18" LVL	
RB-38:	(2) 1 3/4" x 7 1/4" LVL	
RB-39:	(3) 1 3/4" x 18" LVL	

NOTE:
HEADERBEAM ATTACHMENT
(2) PLY MEMBERS ATTACH TOGETHER WITH (3) 16d AT 12" O.C. (2) 16d OK FOR 2X6 HEADERS).
-USE (4) 16d WHEN HEADERBEAM HEIGHT IS GREATER THAN 11"
(3) PLY MEMBERS USE (3) 16d AT 12" O.C. EACH SIDE FOR
-USE (4) 16d WHEN HEADERBEAM HEIGHT IS GREATER THAN 11"
(4) PLY MEMBERS ATTACH TOGETHER WITH (2) 1/2" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" x 6"
SCREWS AT 16" O.C. EACH SIDE OF HEADERBEAM U.N.O. SEE PLAN.

ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

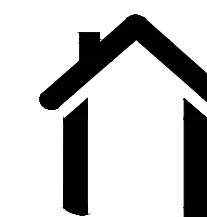


ROOF BEAM SCHEDULE		
BEAM	SIZE/MATERIAL	ALTERNATE OPTIONS
RB-1:	W14x53 Steel	
RB-2:	(1) 1 3/4" x 14" LVL	
RB-3:	(1) 1 3/4" x 14" LVL	
RB-4:	(1) 1 3/4" x 14" LVL	
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RB-8:	(4) 1 3/4" x 16" LVL	
RB-9:	(2) 2X8's DF #2	
RB-10:	NOT USED	
RB-11:	NOT USED	
RB-12:	(2) 2X10's DF #2	
RB-13:	(2) 2X6's DF #2	
RB-14:	(2) 2X8's DF #2	
RB-15:	(2) 2X10's DF #2	
RB-16:	(3) 2X10's DF #2	
RB-17:	(2) 1 3/4" x 9 1/2" LVL	
RB-18:	(2) 2X8's DF #2	
RB-19:	(2) 2X8's DF #2	
RB-20:	NOT USED	
RB-21:	(2) 2X6's DF #2	
RB-22:	(2) 1 3/4" x 11 7/8" LVL	
RB-23:	NOT USED	
RB-24:	5 1/8" x 21" GLB	
RB-25:	(2) 2X6's DF #2	
RB-26:	(2) 1 3/4" x 11 7/8" LVL	
RB-27:	(2) 1 3/4" x 9 1/2" LVL	
RB-28:	(2) 1 3/4" x 7 1/4" LVL	
RB-29:	NOT USED	
RB-30:	(2) 2X6's DF #2	
RB-31:	NOT USED	
RB-32:	(2) 1 3/4" x 14" LVL	
RB-33:	(2) 1 3/4" x 14" LVL	
RB-34:	(2) 1 3/4" x 14" LVL	
RB-35:	(2) 2X6's DF #2	
RB-36:	(2) 2X6's DF #2	
RB-37:	(2) 1 3/4" x 18" LVL	
RB-38:	(2) 1 3/4" x 7 1/4" LVL	
RB-39:	(3) 1 3/4" x 18" LVL	

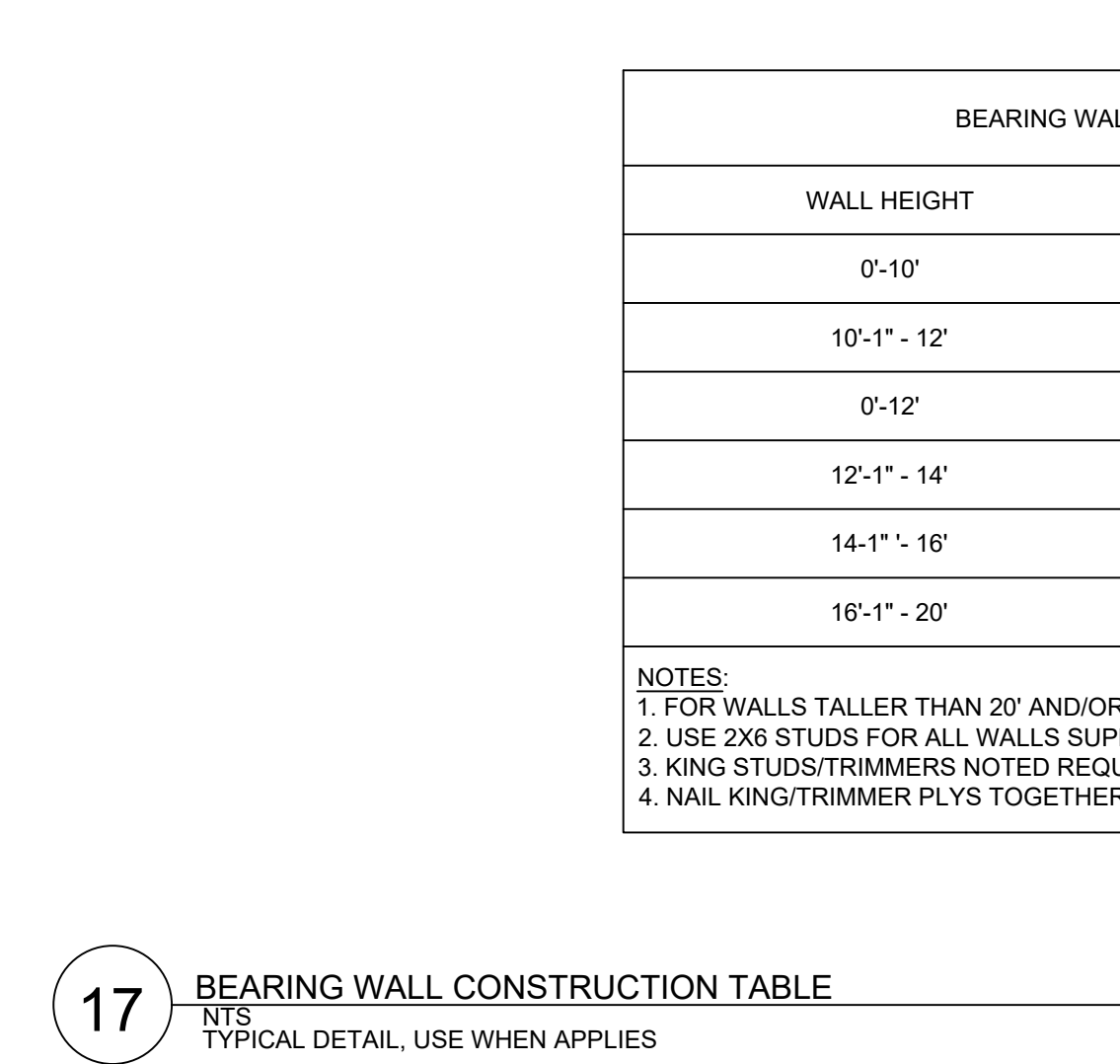
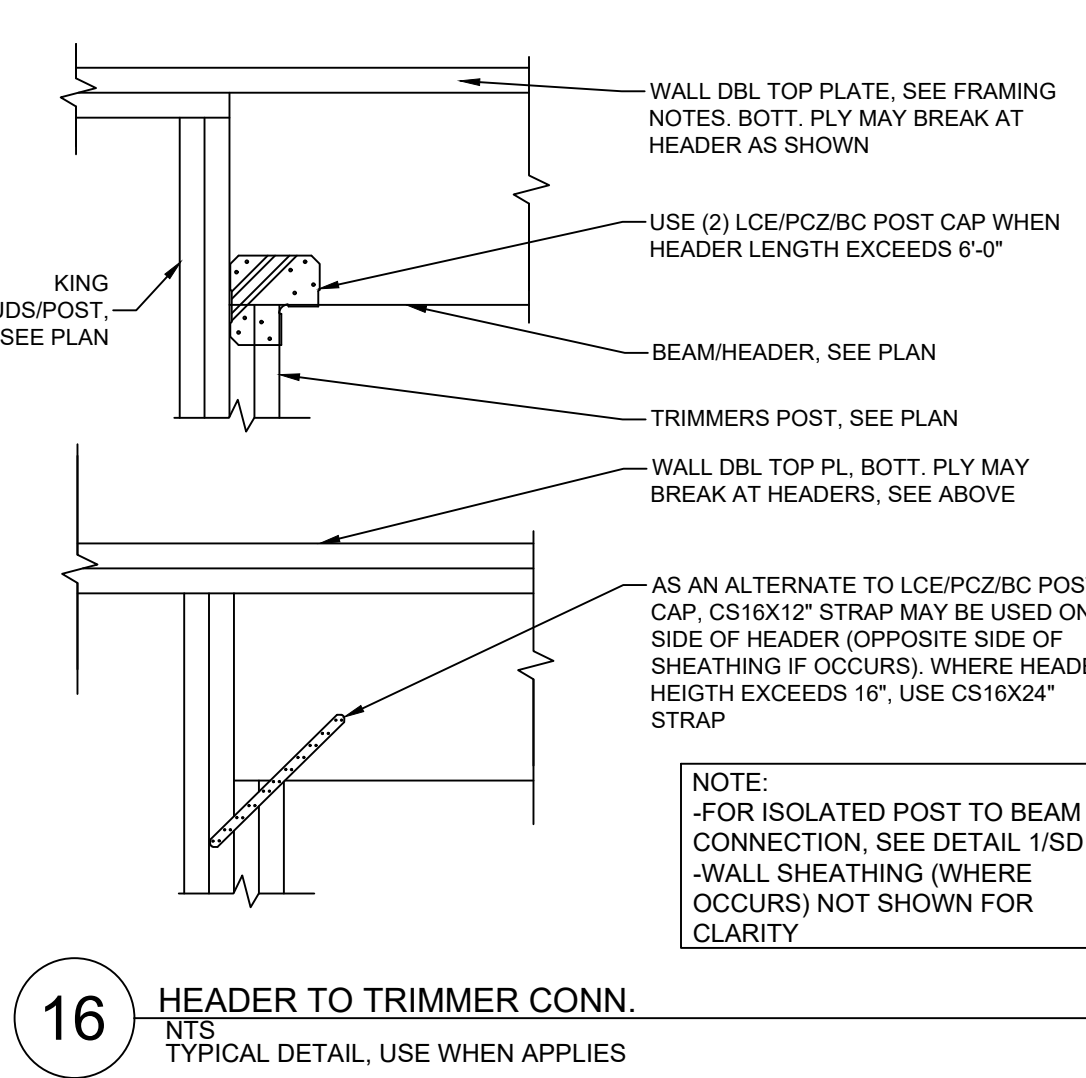
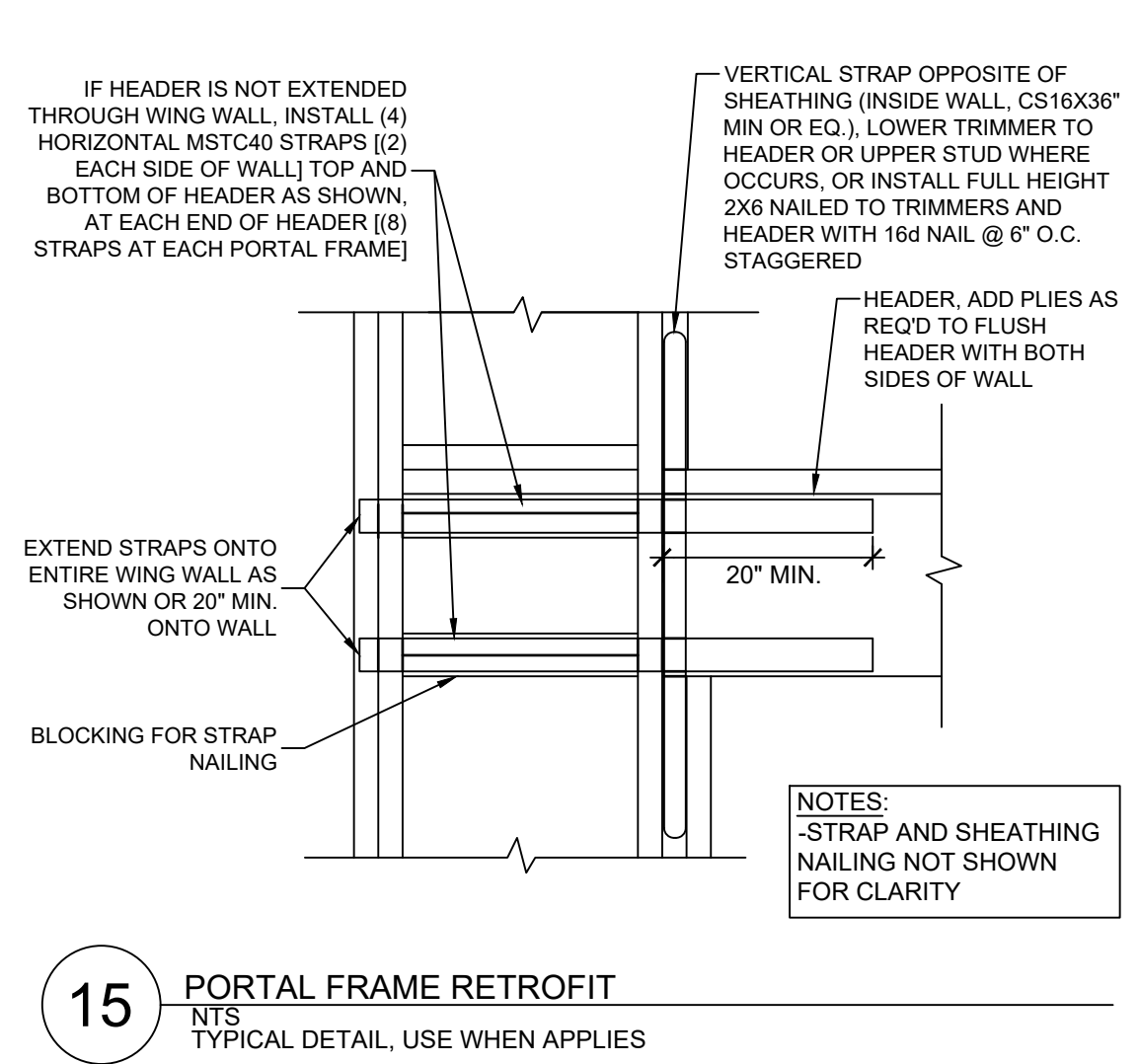
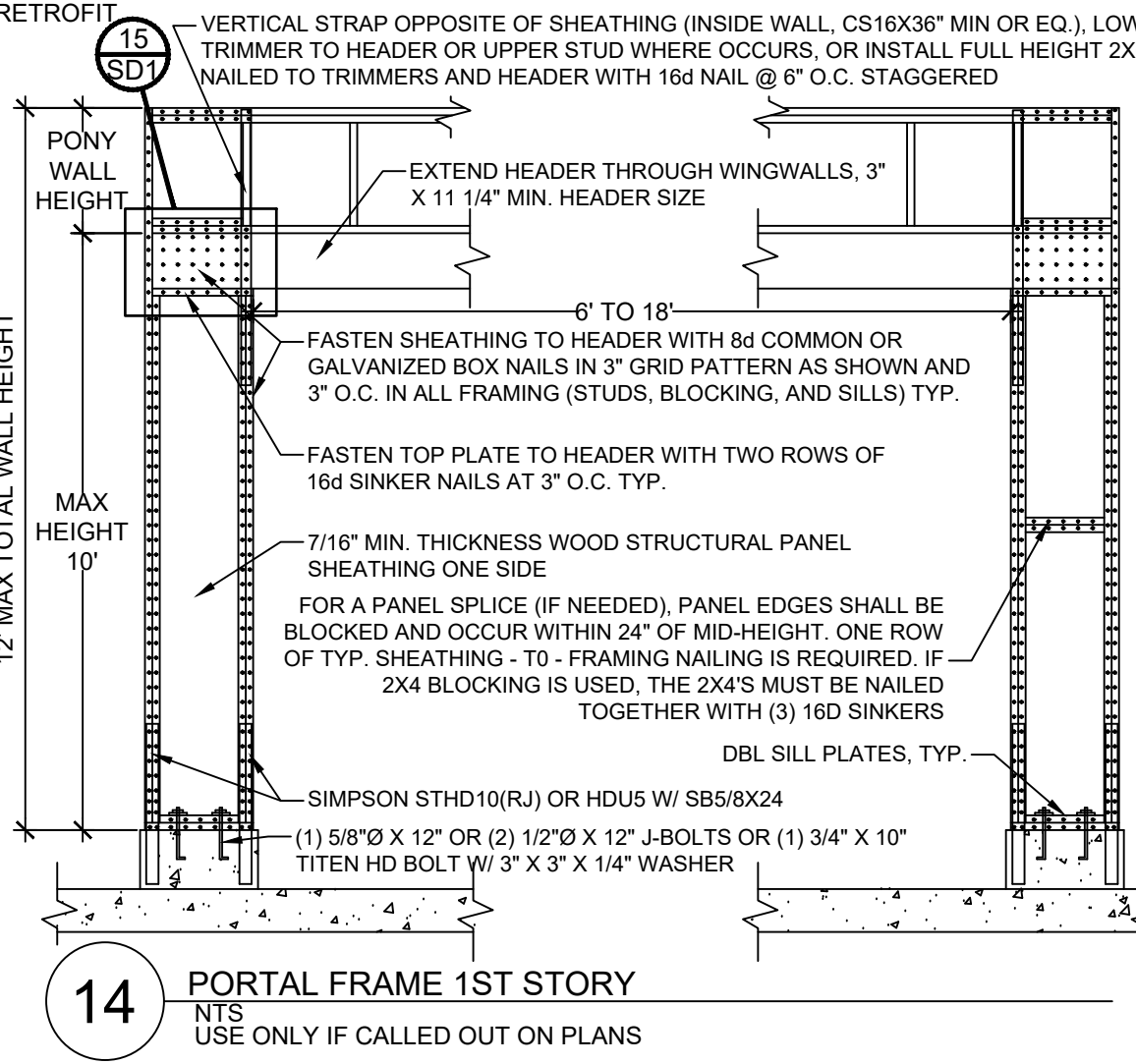
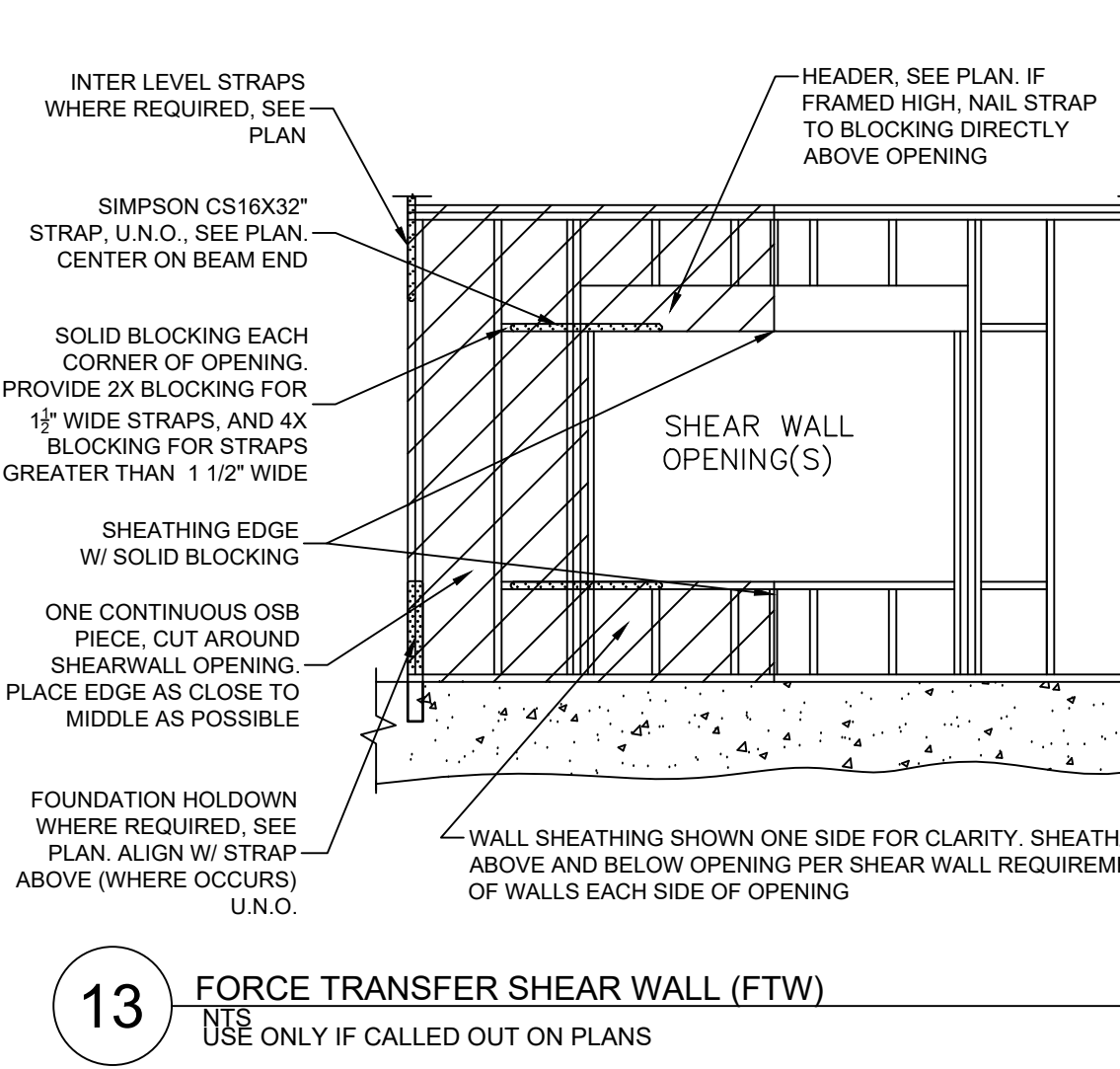
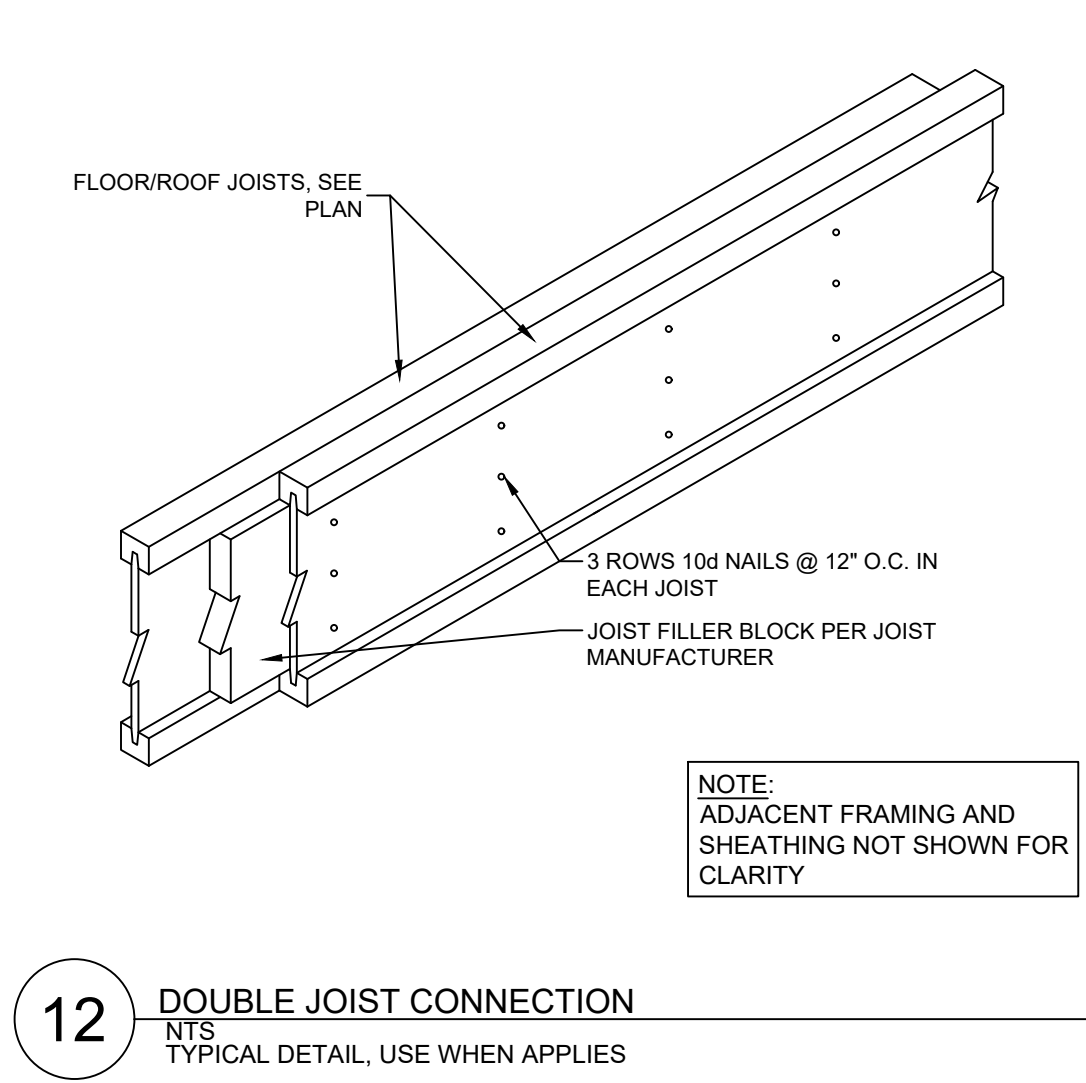
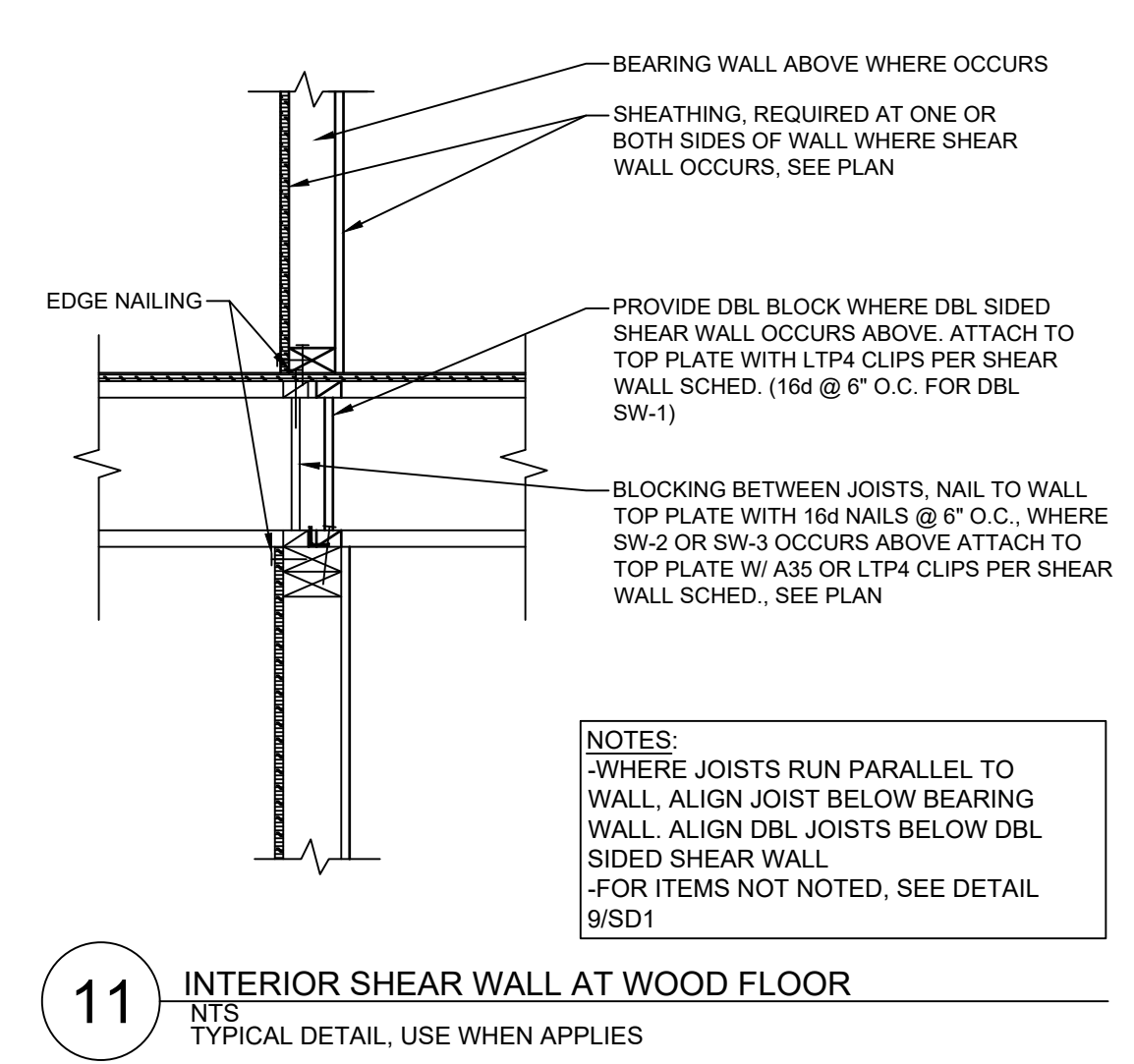
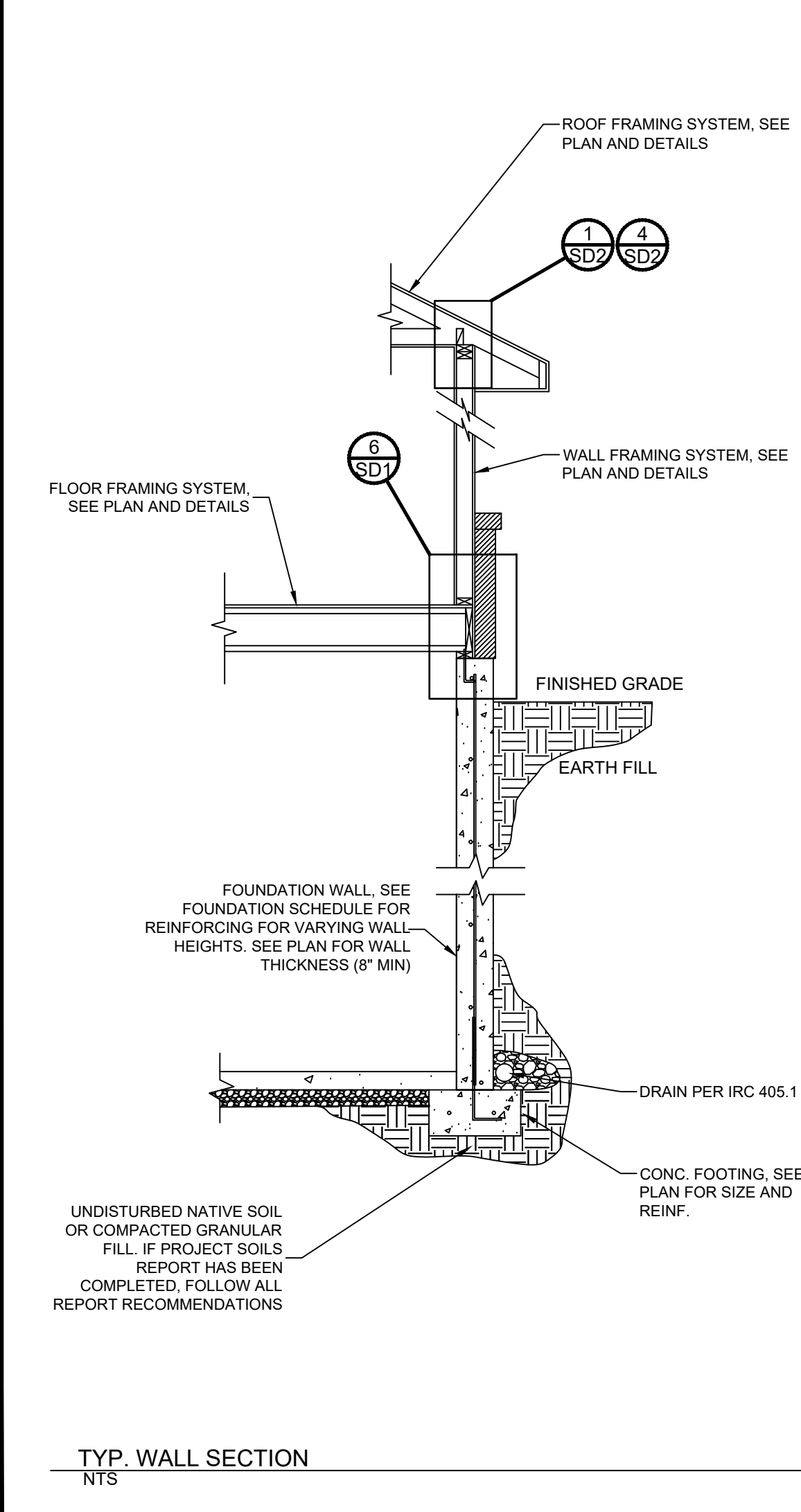
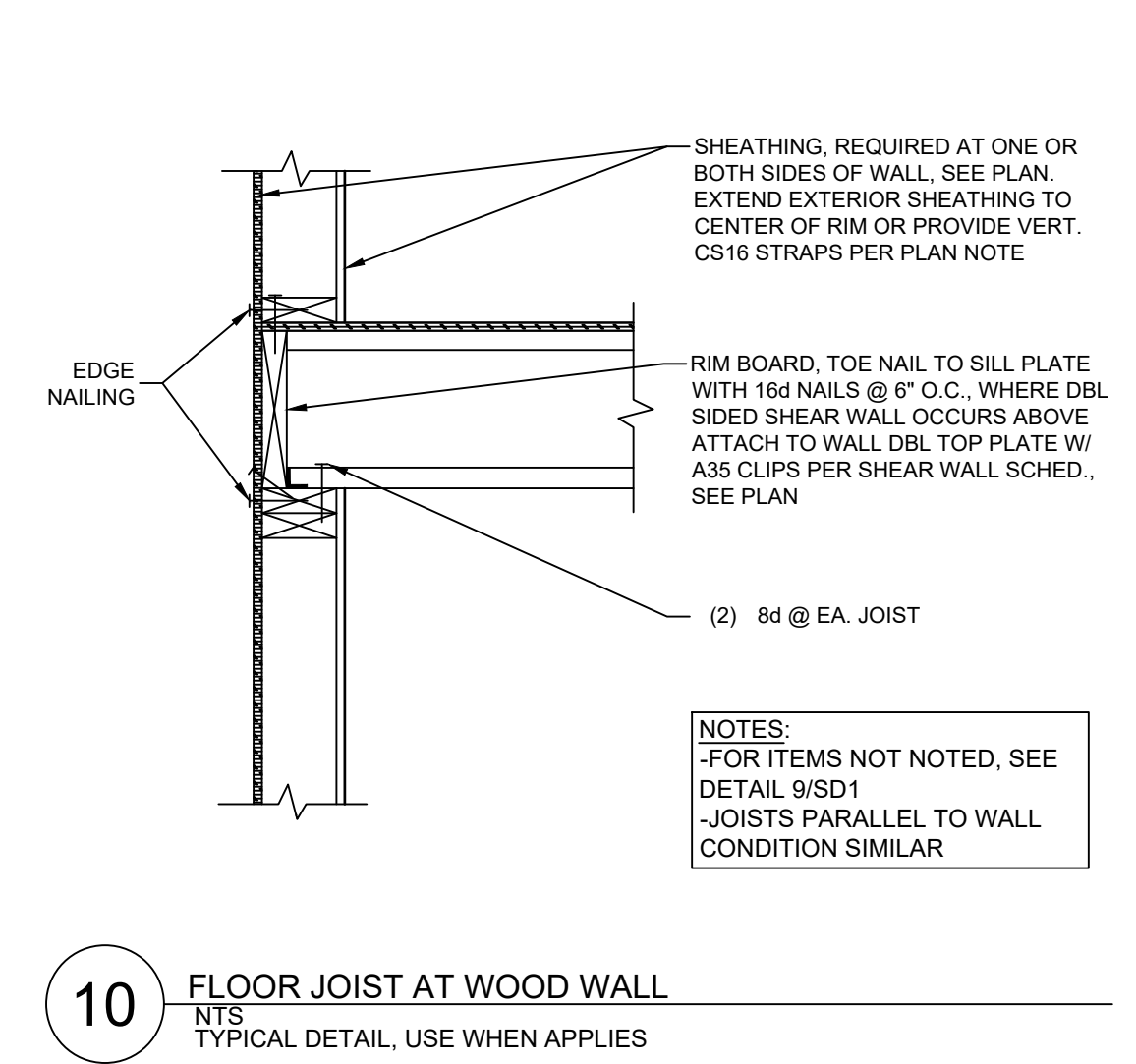
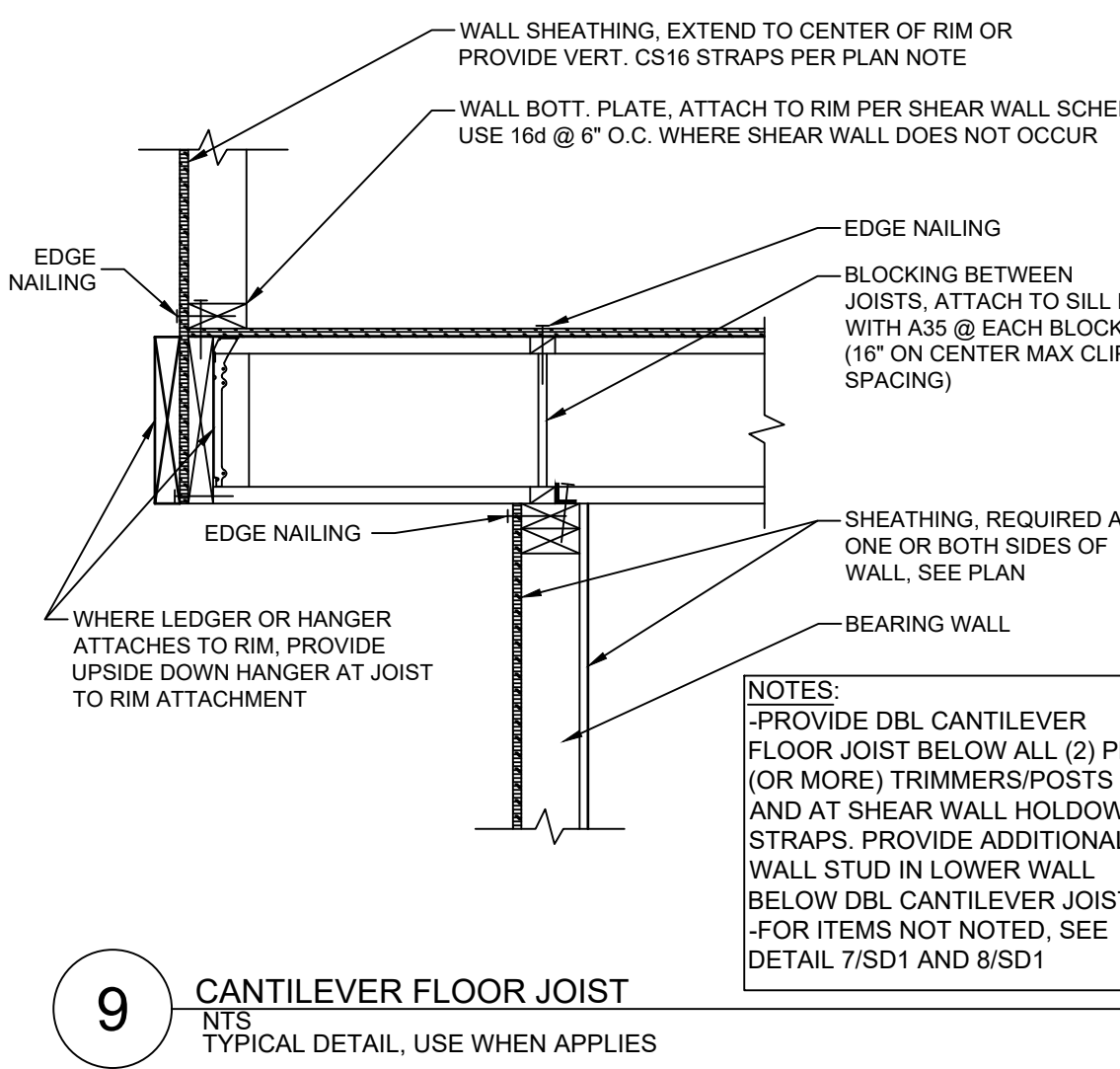
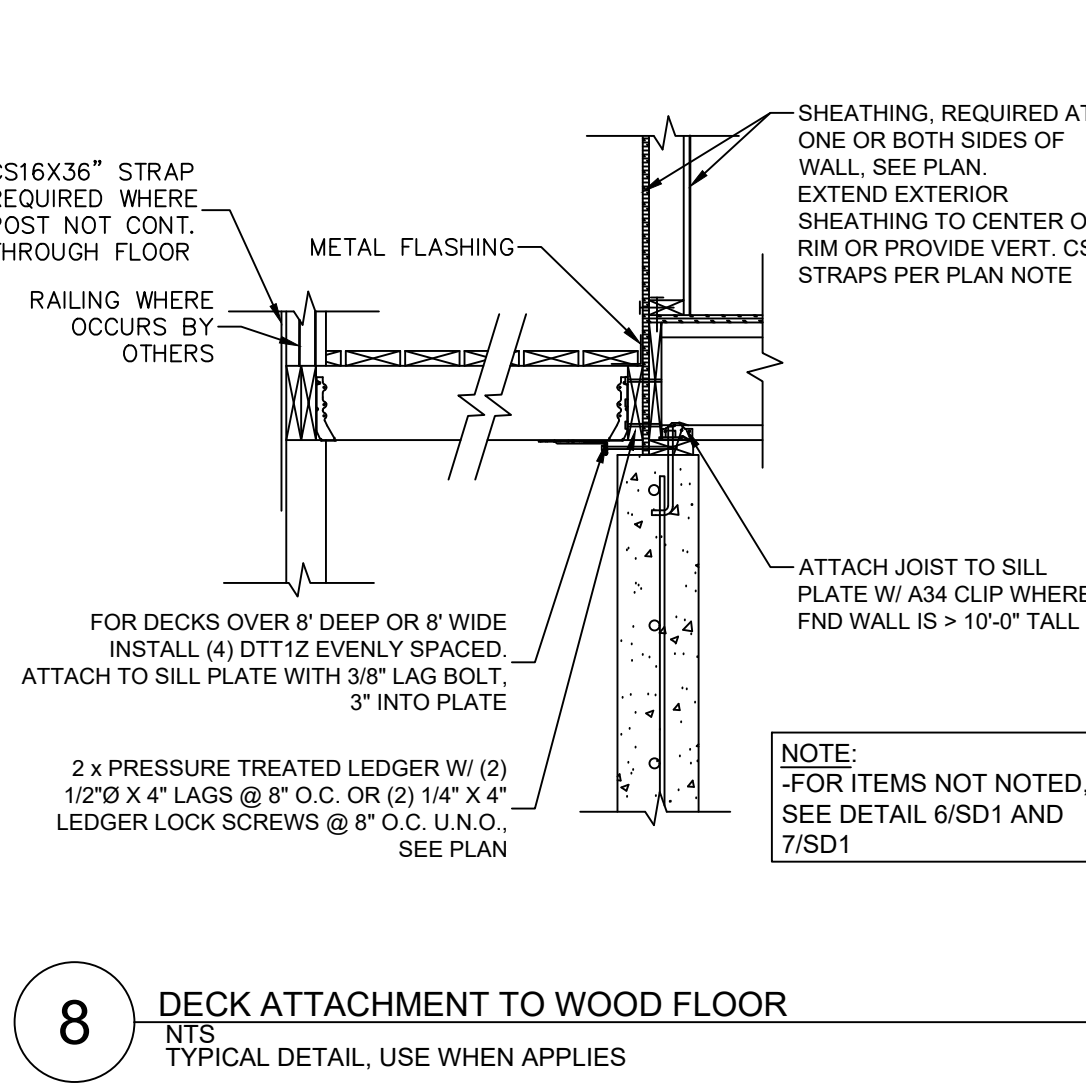
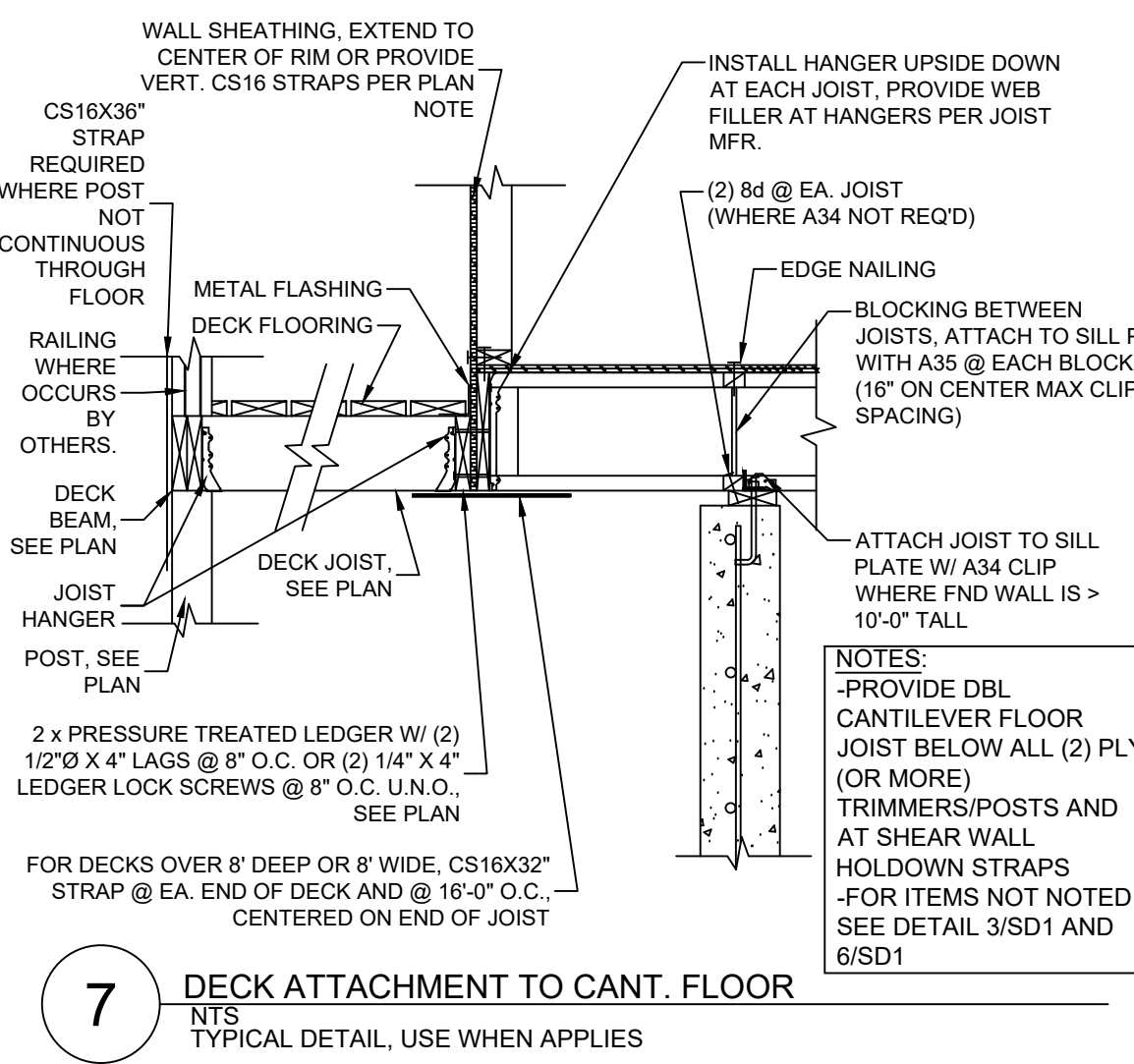
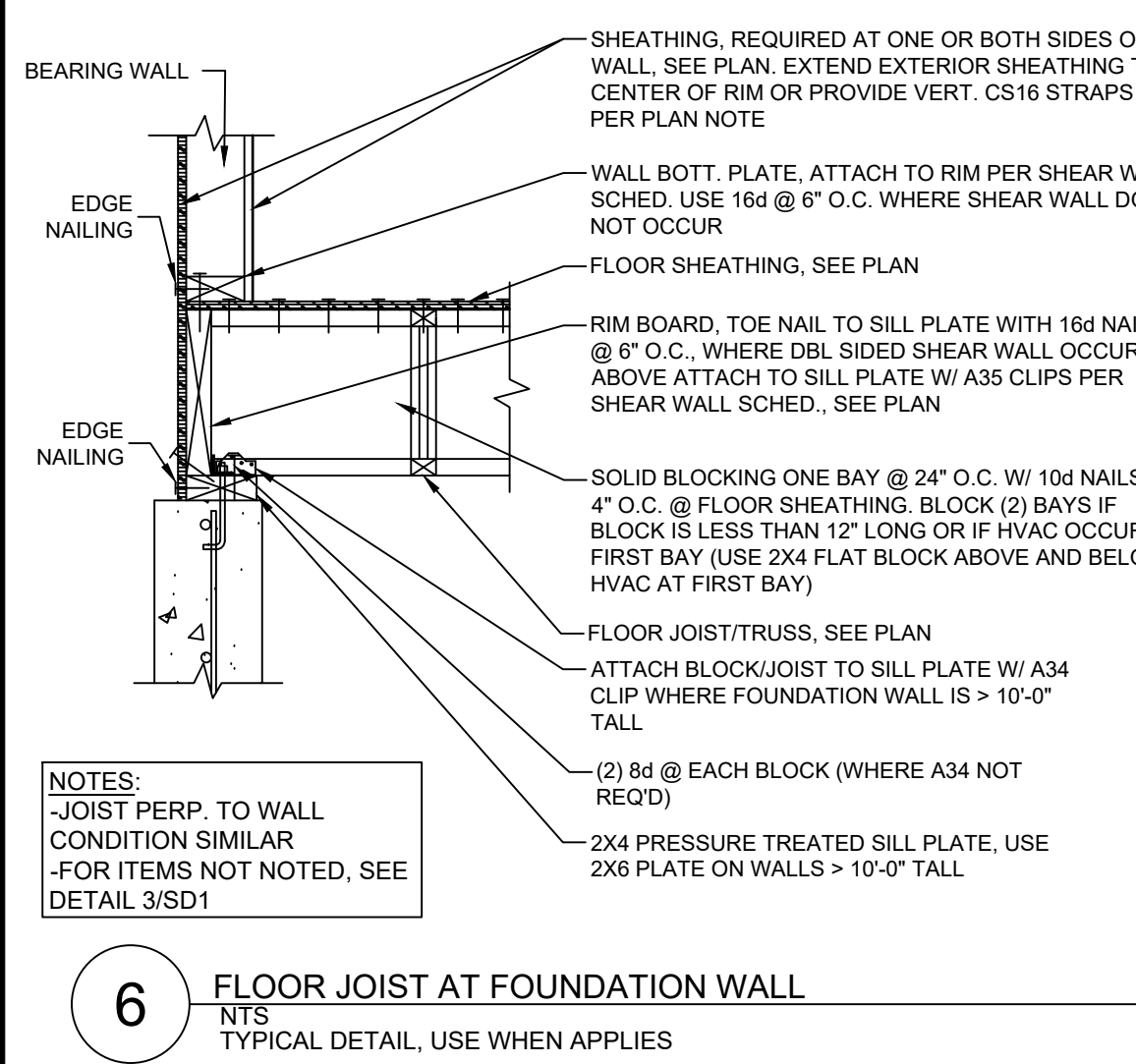
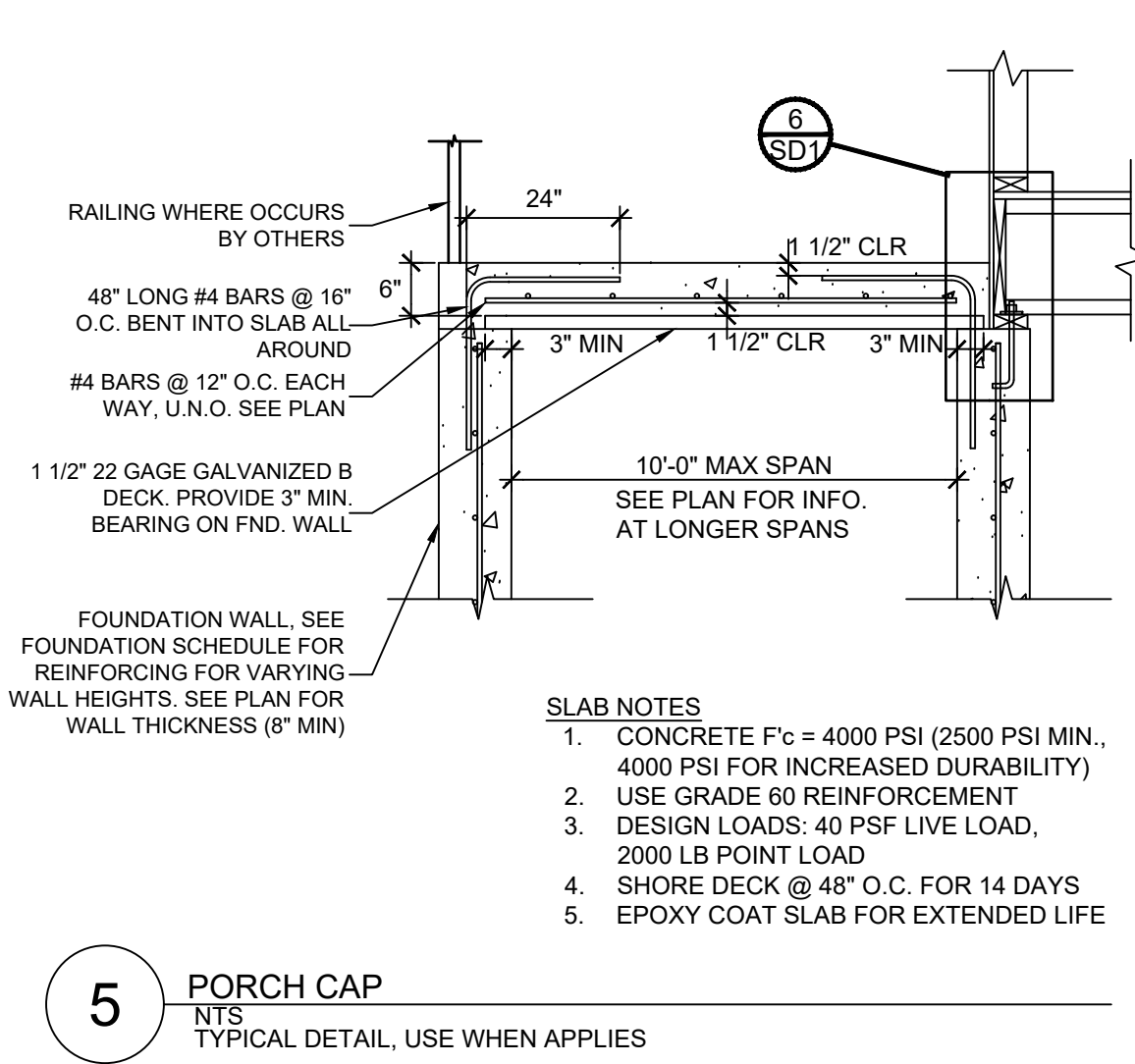
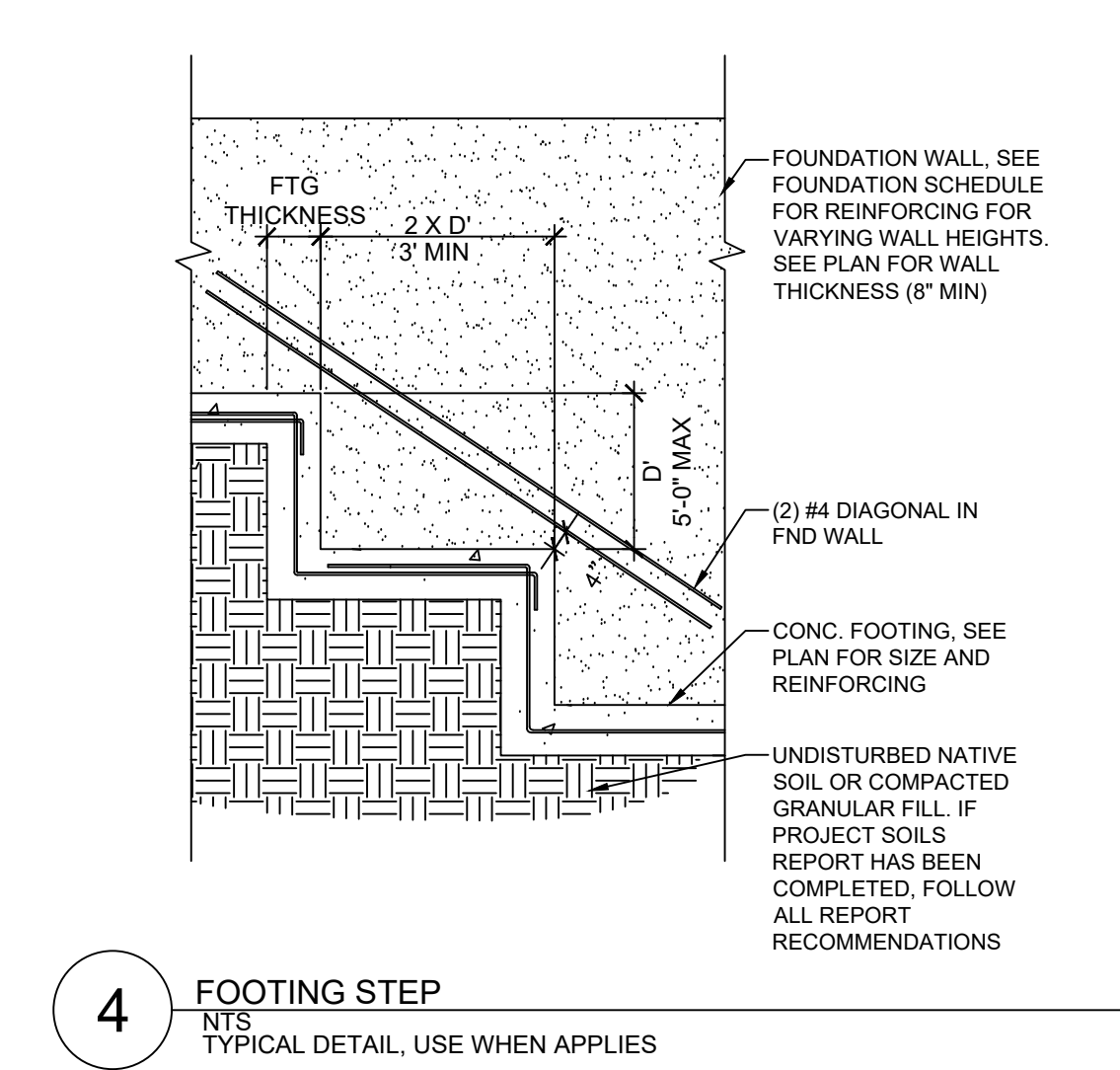
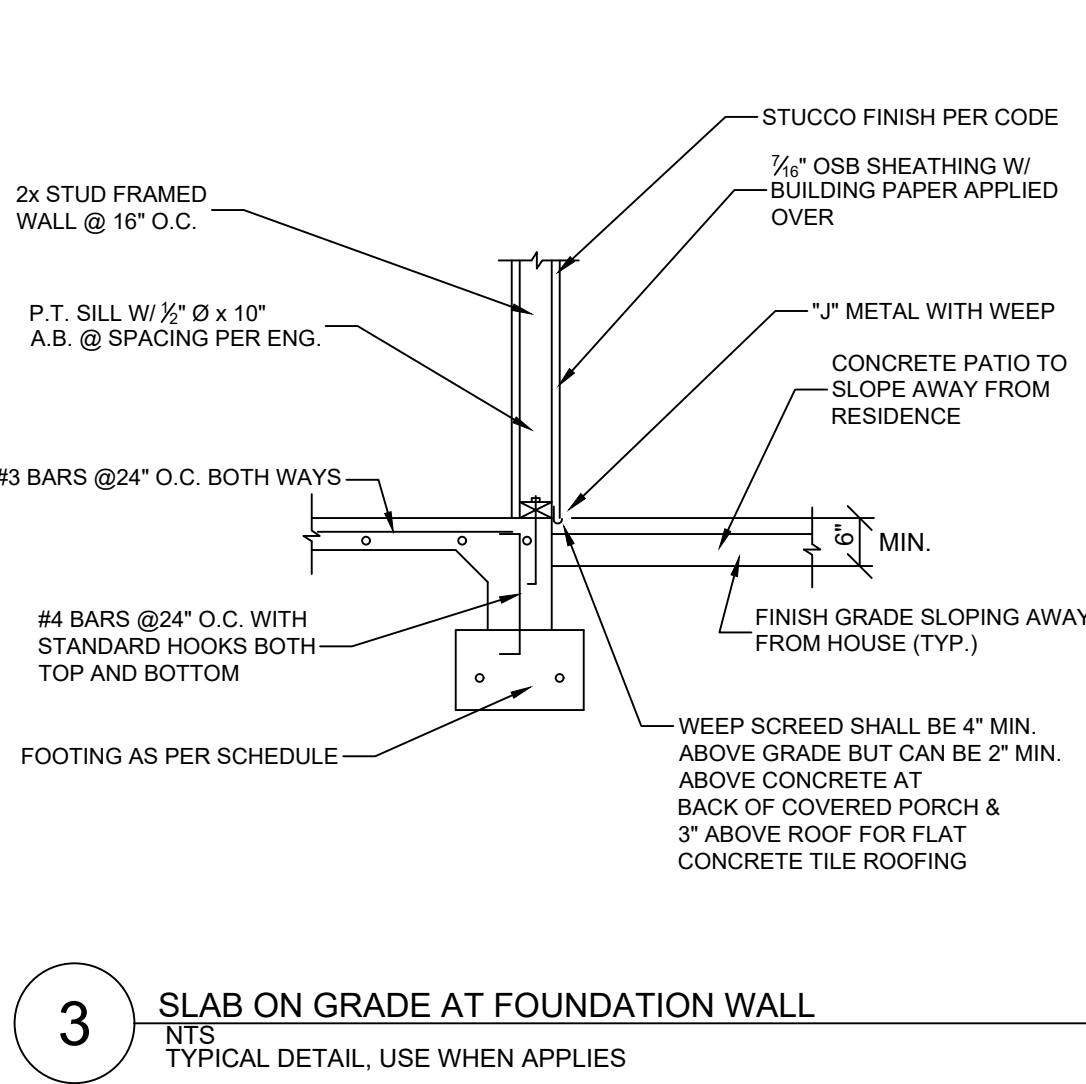
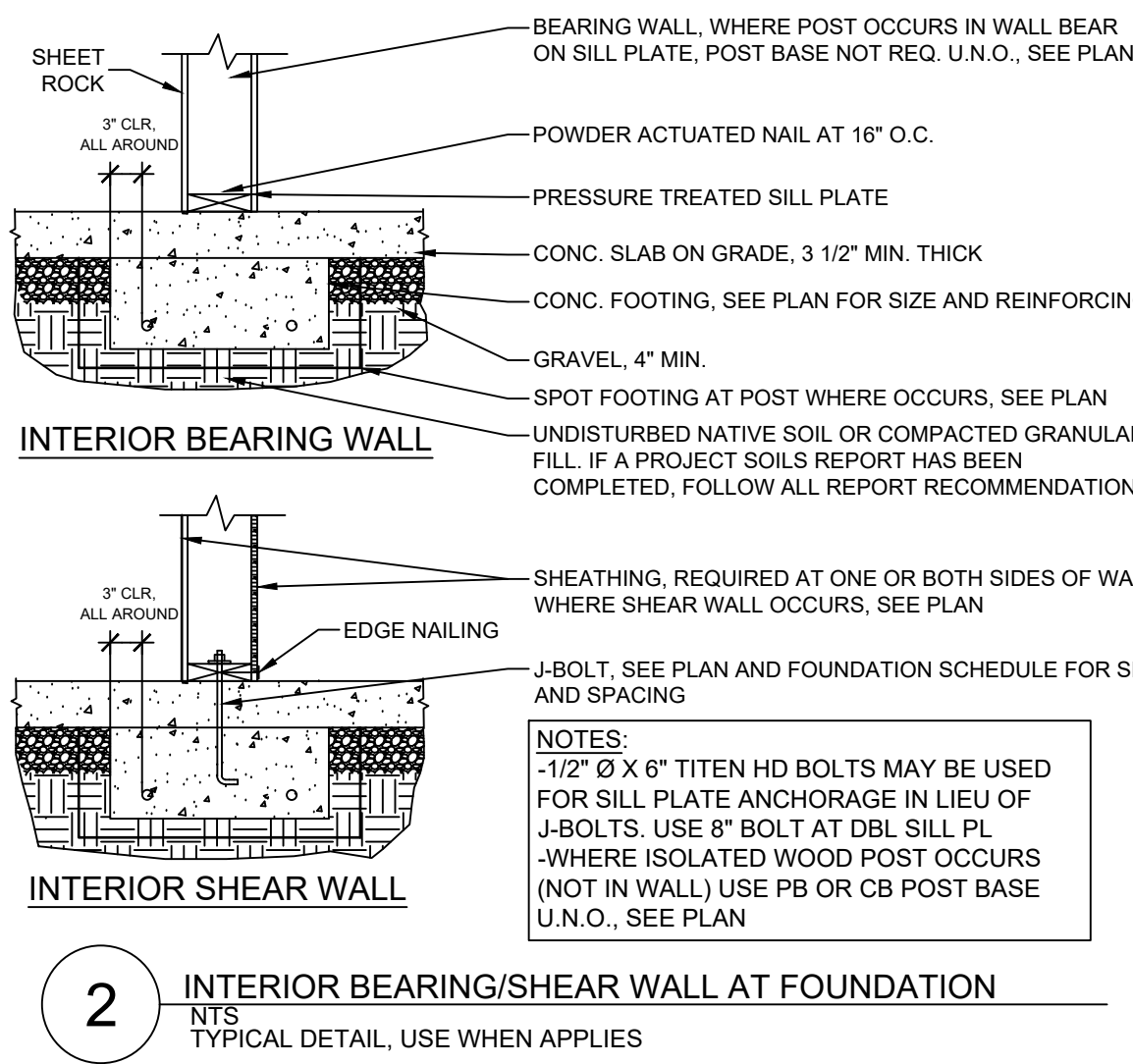
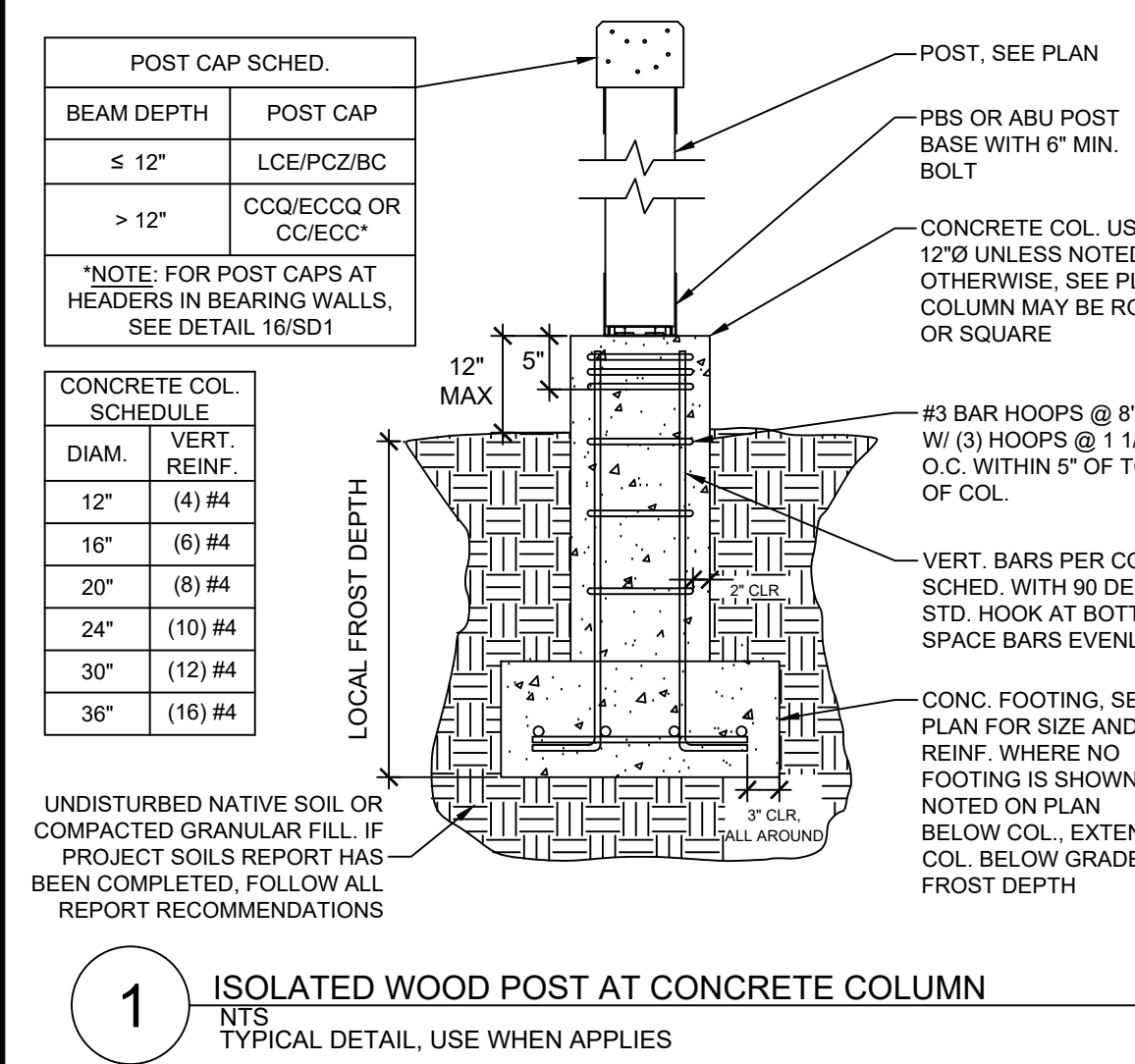
ENGINEER: CH
REVIEWER: SM

1893E. 12200 S.
DRAPER, UT

S6c



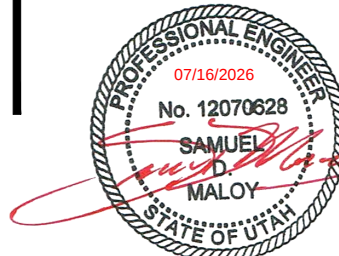
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BEARING WALL CONSTRUCTION TABLE	
WALL HEIGHT	STUD FRAMING
0'-10"	2X4's @ 16" O.C.?
10'-1" - 12'	2X4's @ 12" O.C.?
0'-12"	2X6's @ 16" O.C.
12'-1" - 14'	2X6's @ 16" O.C.
14'-1" - 16'	2X6's @ 12" O.C.
16'-1" - 20'	2X6's @ 8" O.C.

NOTES:
1. FOR WALLS TALLER THAN 20' AND/OR OPENINGS GREATER THAN 18' WIDE, SEE PLAN.
2. USE 2X6 STUDS FOR ALL WALLS SUPPORTING 3 OR MORE FLOOR/ROOF LOADS.
3. KING STUDS/TRIMMERS NOTED REQUIRED AT EACH END OF WALL OPENING.
4. NAIL KING/TRIMMER PLYS TOGETHER W/ (2) 16d NAILS @ 9" O.C.

Engineer's Stamp:



York Engineering

Structural Design and Analysis
720 S. River Road, Suite D2000
St. George, Utah 84790
(801) 876-3501

Date	Author	CH	Note
7/15/26	1		Submitted for permitting

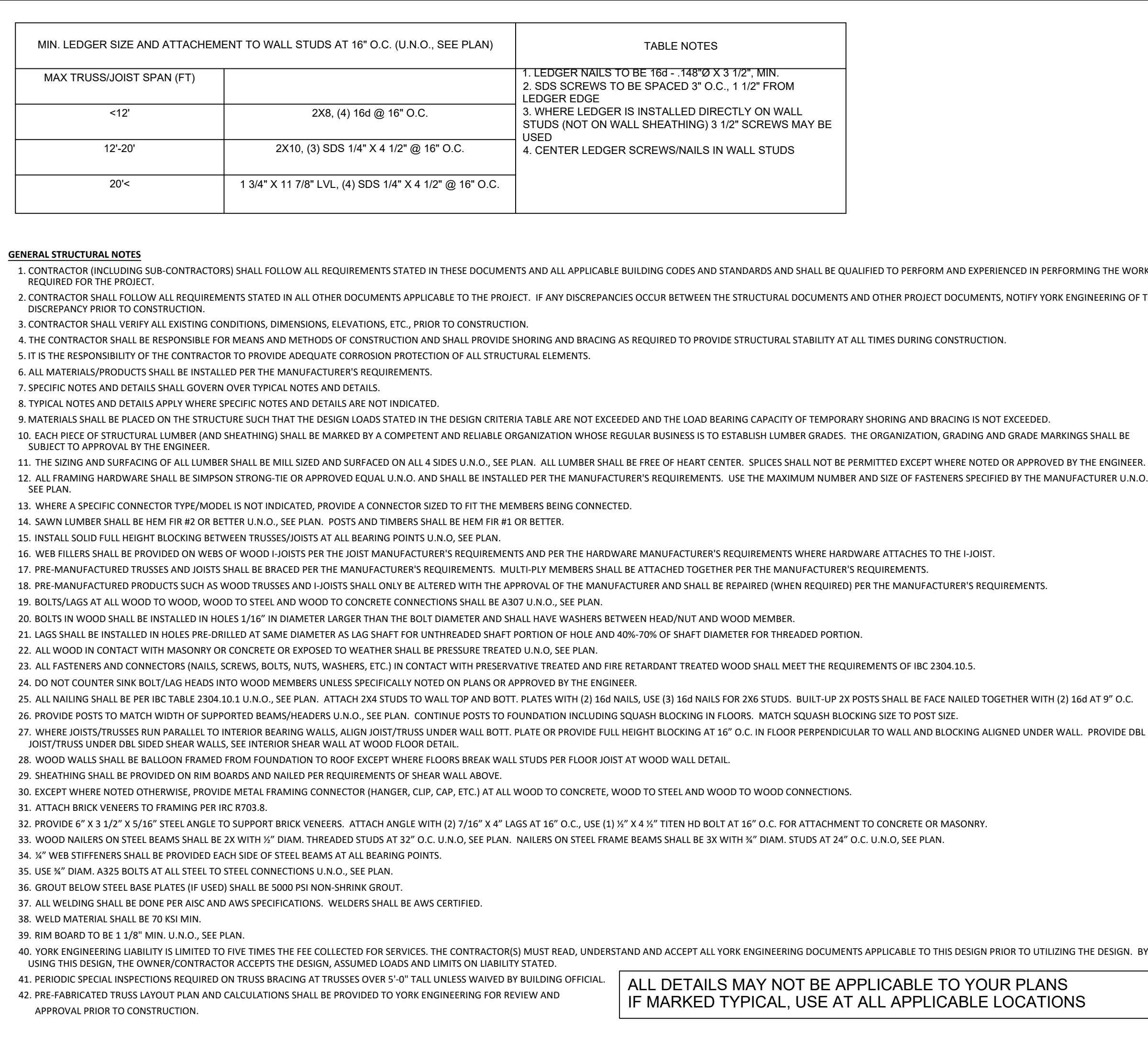
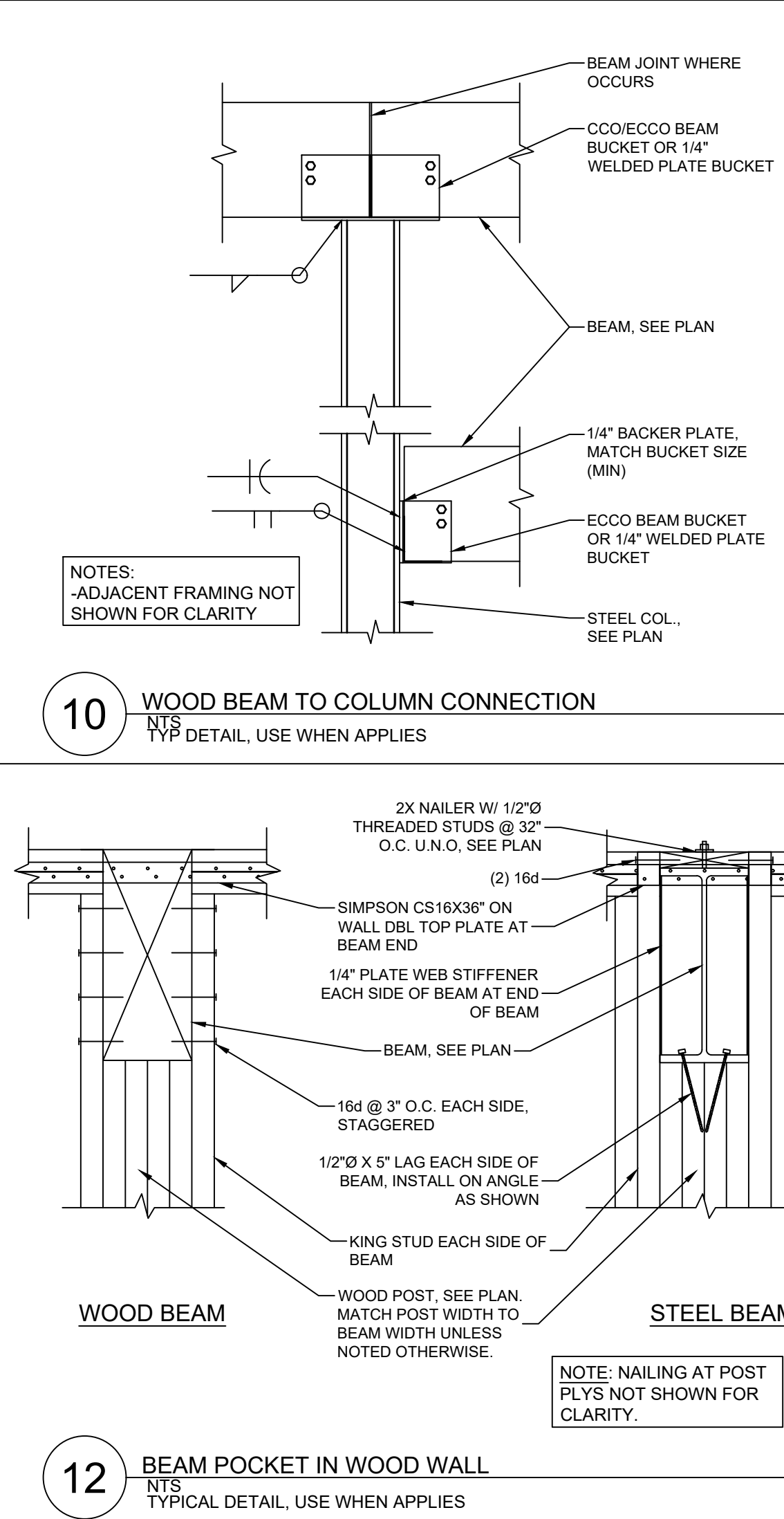
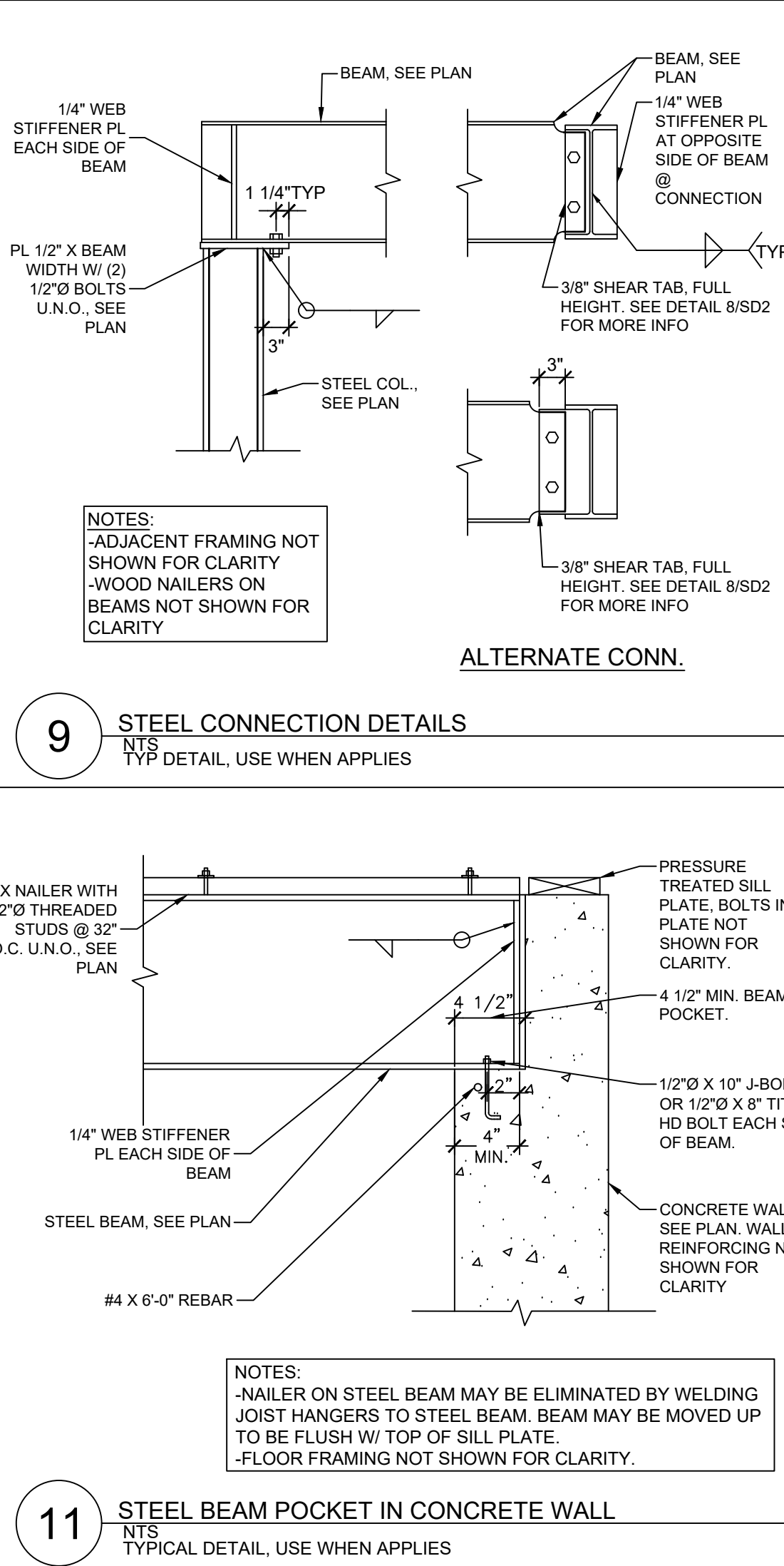
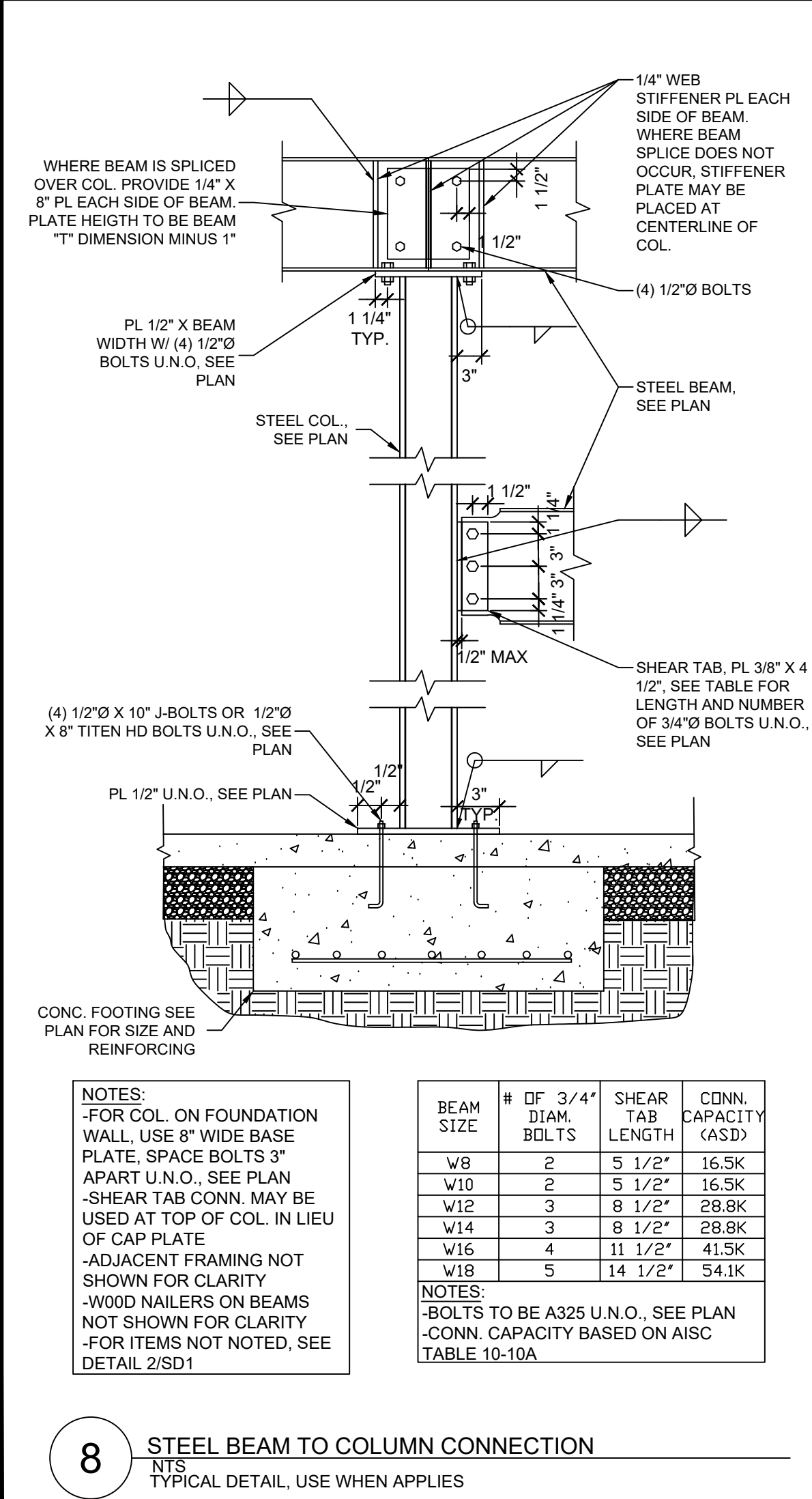
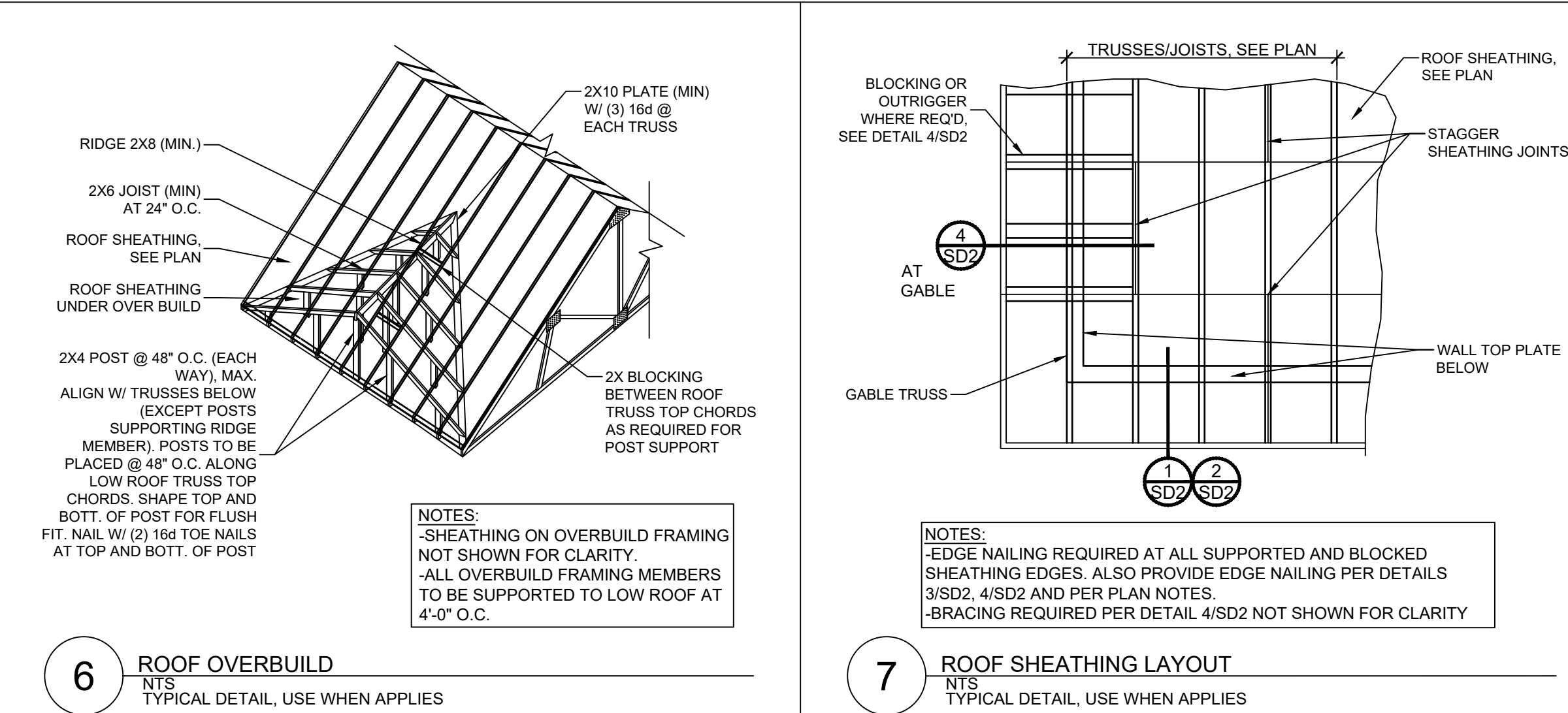
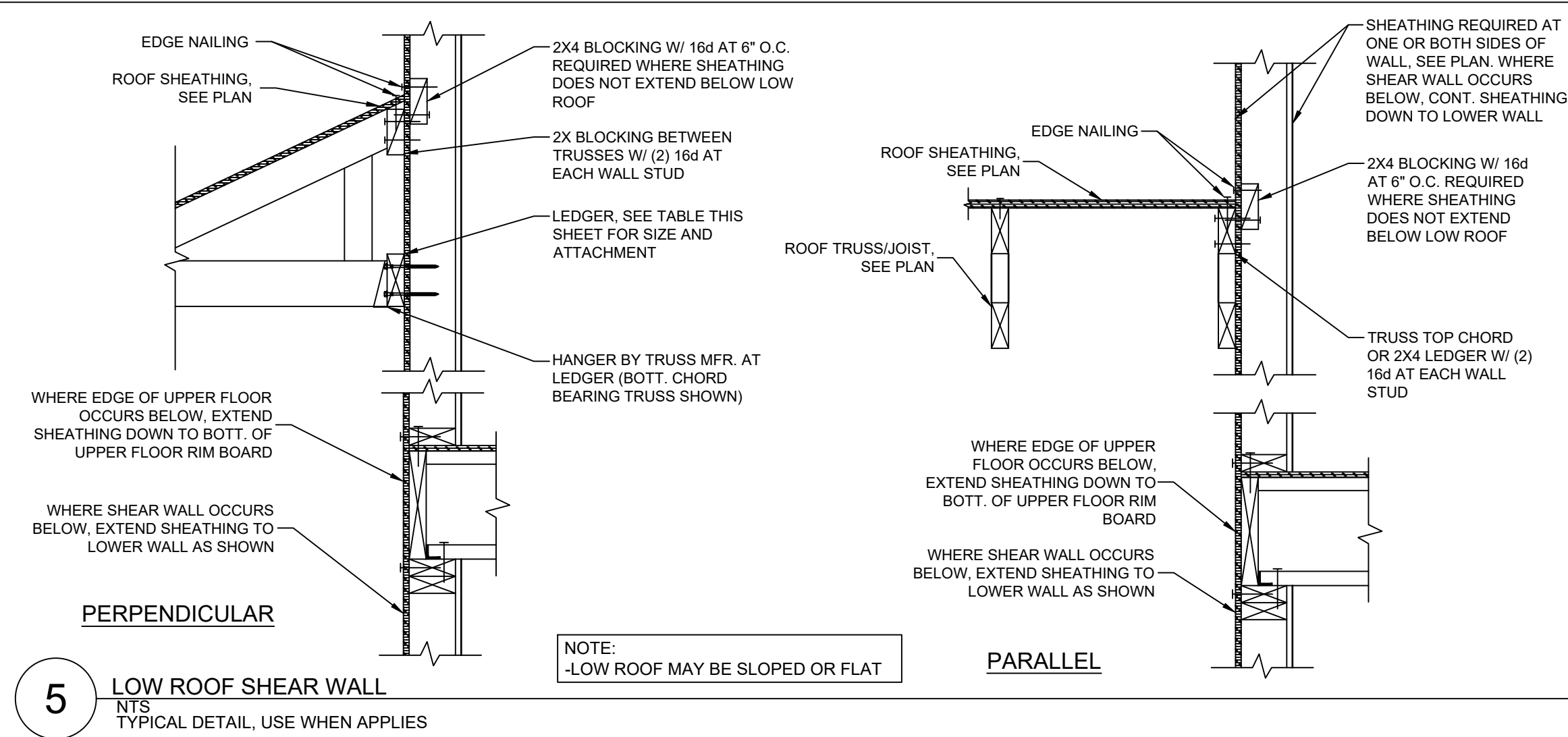
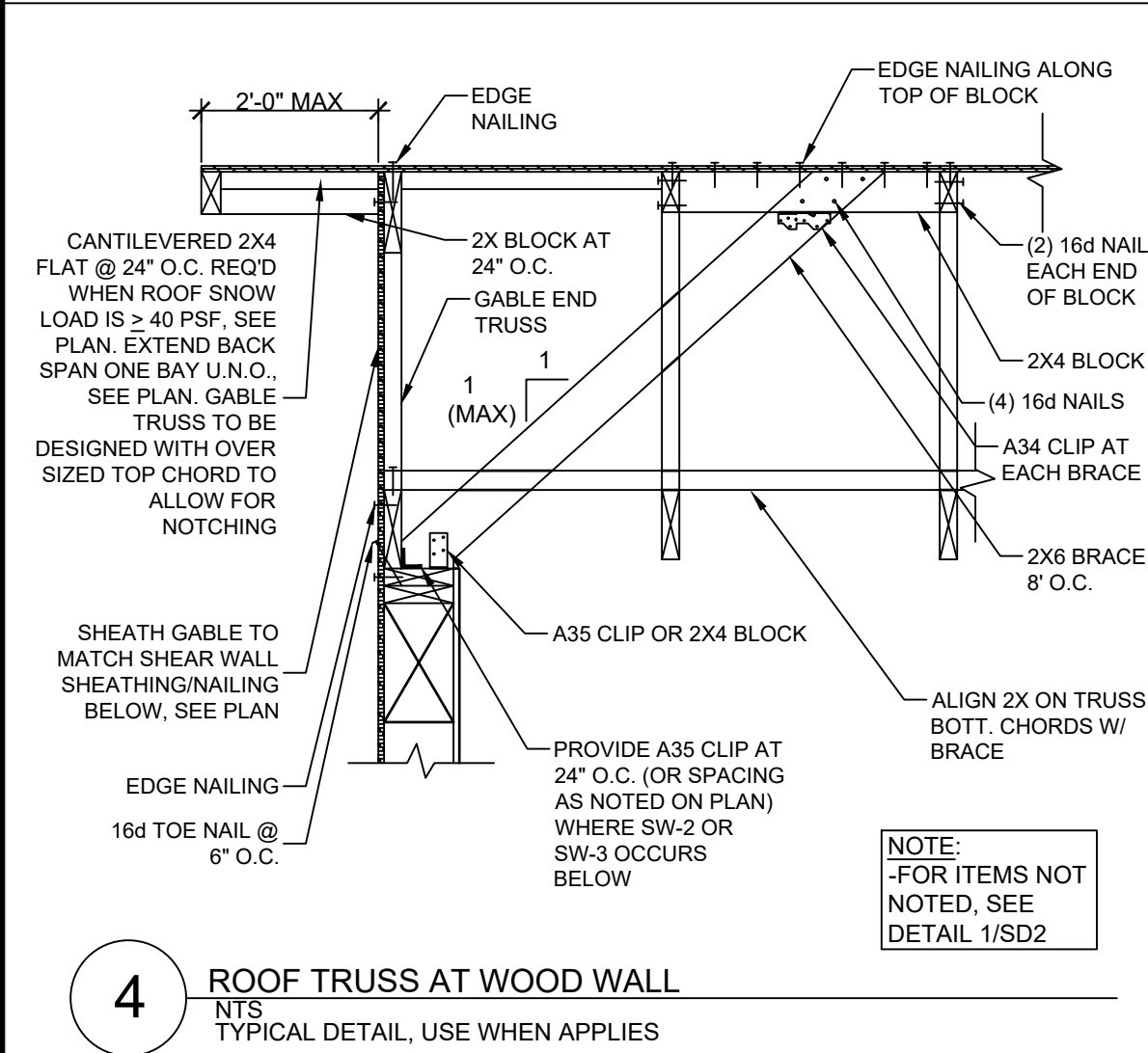
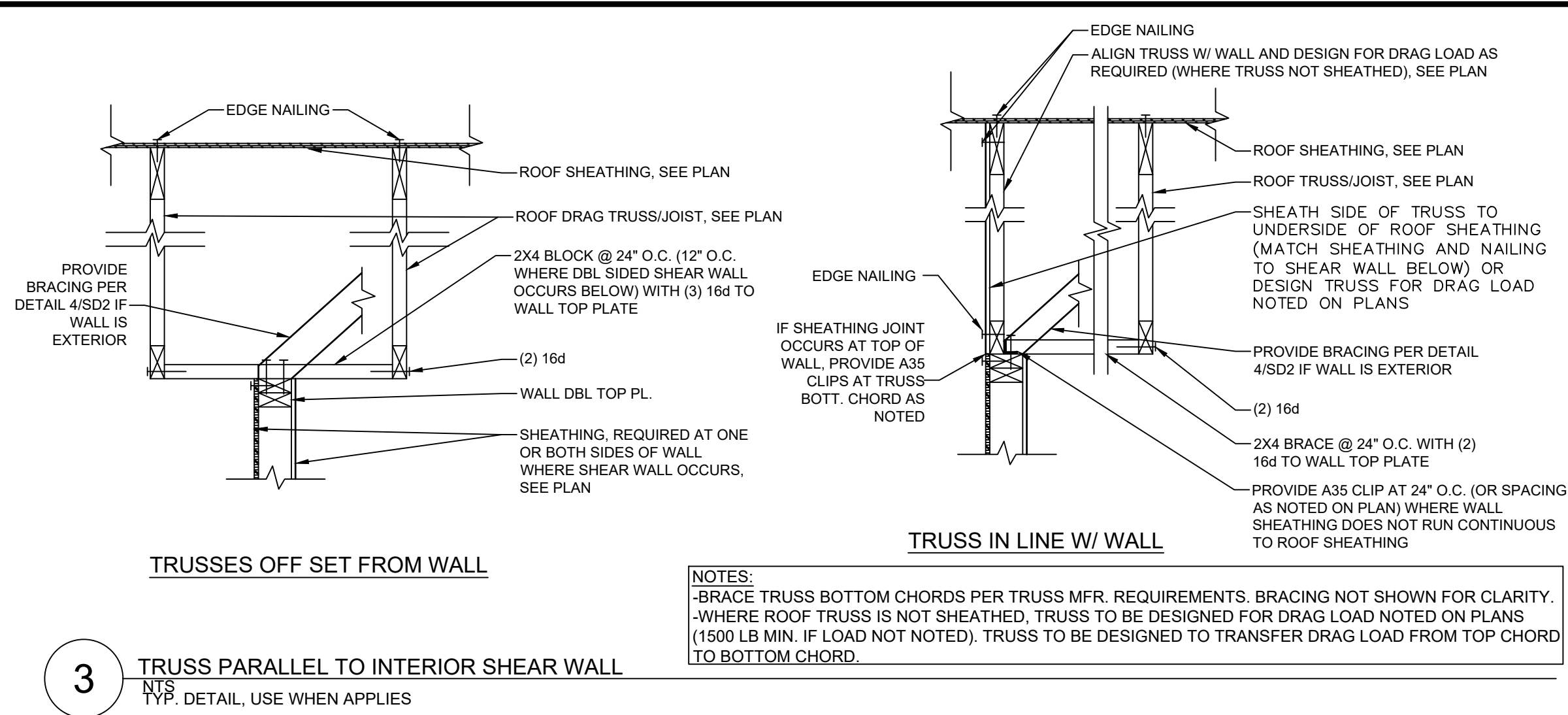
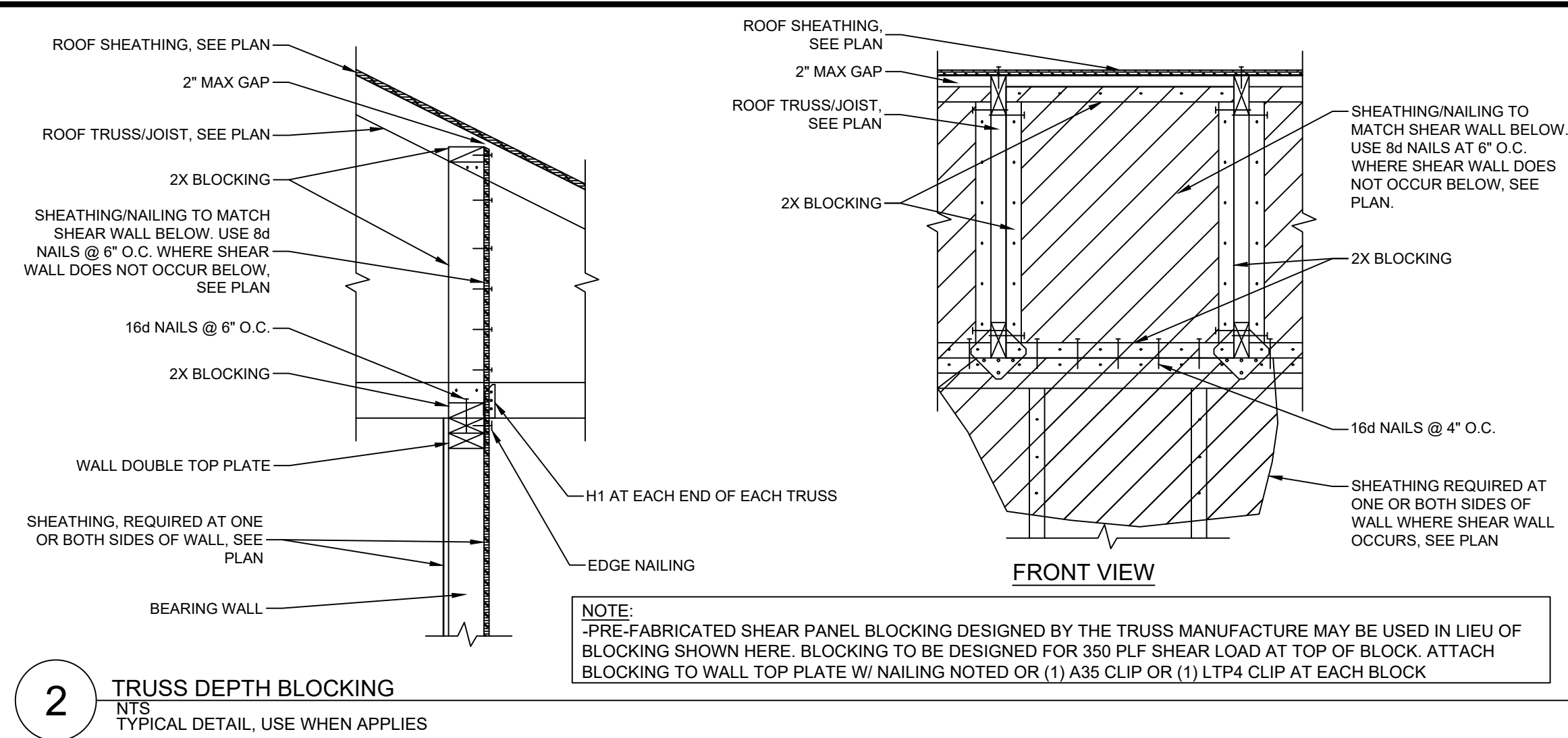
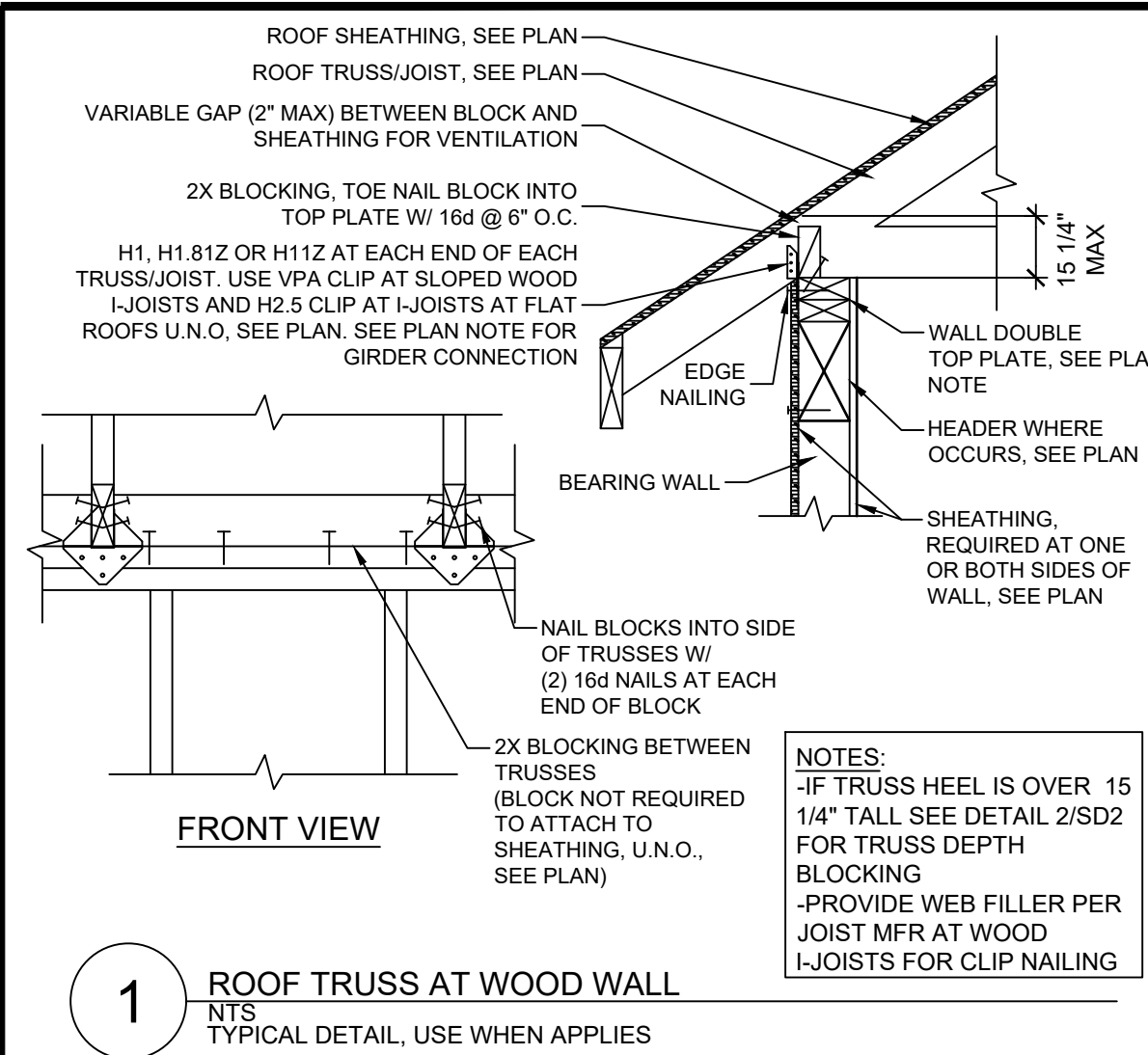
ENGINEER: CH
REVIEWER: SM

FELLER RESIDENCE

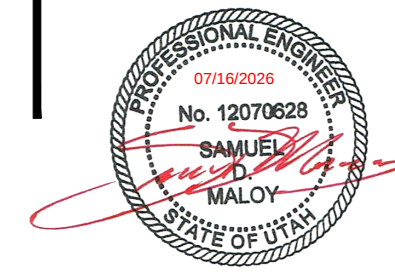
1893E. 12200 S.
DRAPER, UT

SD1

ALL DETAILS MAY NOT BE APPLICABLE TO YOUR PLANS
IF MARKED TYPICAL, USE AT ALL APPLICABLE LOCATIONS



Engineer's Stamp:



York Engineering

Structural Design and Analysis
720 S. River Road, Suite D2000
St. George, Utah 84790
(801) 876-3501

Date	Author	Note
7/15/26	CH	Submitted for permitting
1		

ENGINEER: CH
REVIEWER: SM

FELLER RESIDENCE
1893E. 12200 S.
DRAPER, UT

SD2

FOOTING, FOUNDATION AND CONCRETE

1. FOOTING DESIGN IS BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF U.N.O., SEE PLAN. IF A PROJECT SOILS REPORT HAS BEEN COMPLETED, FOLLOW ALL REPORT RECOMMENDATIONS. FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR GRANULAR FILL COMPACTED TO 95% OF MAXIMUM DENSITY. NO FOOTINGS SHALL BE PLACED IN WATER OR ON FROZEN GROUND. ALL FOOTINGS TO BE PLACE AT MIN. BELOW LOCAL FROST DEPTH, AND BE CONTINUOUS AND MONOLITHIC POUR.

2. CHANGES IN ELEV. SHALL BE STEPPED WITH STEP HEIGHT NOT HIGHER THAN 1/2 THE STEP LENGTH AND NOT GREATER THAN 5'. NOTIFY ENGINEER IF GRADE DROPS OVER 8' IN 24' (GREATER THAN 1/3 SLOPE) SO THAT APPROPRIATE DESIGN CHANGES MAY BE MADE TO FOUNDATION AND FOOTINGS.

3. ALL FOOTINGS, FOUNDATIONS, AND INTERIOR SLABS SHALL BE NORMAL WT. CONCRETE WITH A COMPRESSIVE STRENGTH OF 2,500 PSI MIN. U.N.O. TO MEET STRENGTH REQUIREMENTS (SEE CALCS., NO SPECIAL INSPECTIONS REQUIRED U.N.O., SEE PLAN) HOWEVER, PER IRC 402.2 USE 3000 PSI CONCRETE FOR DURABILITY PURPOSES. THE WATER/CEMENT RATIO SHALL BE NO GREATER THAN .50 WITH A MINIMUM CEMENT CONTENT OF 504 LBS. PER CUBIC YARD.

4. ALL CONC. WORK SHALL BE PLACED, CURED, STRIPPED, AND PROTECTED AS REQUIRED BY ACI STANDARDS AND PRACTICES.

5. ALL REINFORCING SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARD 318. REINFORCEMENT SHALL BE FREE FROM MUD AND OIL AND OTHER NON-METALLIC COATINGS THAT HAMPER BONDING CAPACITY.

6. OWNER/CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS LISTED ON THE DRAWING. VERIFICATION OF ALL SITE CONDITIONS INCLUDING SITE STABILITY IS THE RESPONSIBILITY OF OTHERS

7. ALLOW 14 DAYS FOR CONCRETE TO CURE PRIOR TO BACKFILL.

8. STRUCTURAL CONCRETE EXPOSED TO FREEZE THAW CYCLES SHALL HAVE 5% AIR ENTRAINMENT, MIN.

9. RUN FOOTINGS CONTINUOUS UNDER ALL DOOR OPENINGS, SEE PLAN.

10. SILL PLATE ½" J-BOLTS SHALL BE A307 WITH 7" MIN. EMBEDMENT @ 32" O.C. IN CONCRETE U.N.O., SEE PLAN.

11. TITEN HD BOLTS OR EPOXY THREADED RODS MAY BE USED AS SUBSTITUTION FOR SILL PLATE J-BOLTS AT SAME SIZE AND SPACING AS J-BOLTS. USE 6" TITEN HD FOR SINGLE SILL PLATE AND 8" TITEN HD FOR DBL PLATE.

12. ALL FOUNDATION HOLDOWN STRAPS/ANCHORS SHALL BE ALIGNED WITH END OF SHEAR WALL ABOVE AND SHALL ATTACH TO FULL HEIGHT KING STUDS U.N.O., SEE PLAN. PROVIDE WOOD POST AT EACH HOLDOWN PER THE HOLDOWN SCHEDULE. DIMENSIONS TO HOLDOWN LOCATIONS MUST BE FIELD VERIFIED.

13. FOOTINGS TO BE CENTERED ON WALLS AND COLUMNS/POSTS U.N.O., SEE PLAN.

14. USE SIMPSON SET-XP EPOXY FOR CONCRETE ANCHORS U.N.O., SEE PLAN. CONTINUOUS SPECIAL INSPECTIONS REQUIRED ON ALL EPOXY OPERATIONS UNLESS WAIVED BY ENGINEER AND THE BUILDING OFFICIAL.

15. LAP REBAR 48 BAR DIAMETERS U.N.O., SEE PLAN. REINFORCING IN SLABS ON GRADE MAY BE LAPPED 24". SPLICES IN BOTTOM STEEL IN CONCRETE BEAMS AND CAST IN PLACE SUSPENDED SLABS SHALL BE STAGGERED 48 BAR DIAMETERS.

16. LINTELS IN CONCRETE WALLS MAY BE AS FOLLOWS U.N.O., SEE PLAN; FOR 3'-0" MAX SPAN, 8" DEEP WITH (2) #4 BOT. BARS, FOR 6'-0" MAX SPAN, 12" DEEP WITH (2) #4 BOT. BARS.

17. PROVIDE (2) EDGE BARS ABOVE CONCRETE WALL OPENINGS AND (1) BAR EACH SIDE AND BELOW OPENINGS U.N.O., SEE PLAN. MATCH SIZE OF EDGE BARS WITH TYPICAL WALL REINFORCING AND PLACE WITHIN 4" OF OPENING EDGE. EXTEND BARS 48 BAR DIAMETERS PAST EDGE OF OPENING OR EXTEND AS FAR AS POSSIBLE AND PROVIDE 90° STANDARD HOOK AT END.

18. PROVIDE HORIZONTAL BAR WITHIN 3" OF TOP AND BOT. OF WALL AND PROVIDE VERTICAL BAR AT ALL WALL CORNERS AND ENDS.

HOLDOWN RETROFIT TABLE:	
HOLDOWN	RETROFIT OPTIONS
LSTHD8/LSTHD8RJ	HTT5 WITH 5/8" Ø THREADED ROD EMBEDDED 10" INTO CONCRETE WITH SIMPSON SET EPOXY OR 5/8" Ø X10" TITEN HD SCREW
STHD10/STHD10RJ	HTT5 WITH 5/8" Ø THREADED ROD EMBEDDED 10" INTO CONCRETE WITH SIMPSON SET EPOXY OR 5/8" Ø X10" TITEN HD SCREW
STHD14/STHD14RJ	HTT5 WITH 5/8" Ø THREADED ROD EMBEDDED 10" INTO CONCRETE WITH SIMPSON SET EPOXY OR 5/8" Ø X10" TITEN HD SCREW
HTT5 AND HDU5	HTT5 and HDU5 WITH 5/8" Ø THREADED ROD EMBEDDED 10" INTO CONCRETE WITH SIMPSON SET EPOXY OR 5/8" Ø X 10" TITEN HD SCREW
HDU8	YORK ENGINEERING TO PROVIDE DETAIL.
HDU11	YORK ENGINEERING TO PROVIDE DETAIL.
HDU14	YORK ENGINEERING TO PROVIDE DETAIL.
NOTE: YORK ENGINEERING TO PROVIDE DETAIL WHERE STRAPS CANNOT BE INSTALLED WITH 12" MAX BEND.	

HOLDOWN SCHEDULE:			
		MIN. BOLT SIZE	
HOLDOWN	MIN. POST SIZE (FULL HT. KING POST)	STEM WALL	SLAB ON GRADE
LSTHD8/ LSTHD8RJ	4X4 OR (2) 2X4	NA (EMBED STRAP 8")	NA (EMBED STRAP 8")
STHD10/ STHD10RJ	4X4 OR (2) 2X4	NA (EMBED STRAP 10")	NA (EMBED STRAP 10")
STHD14/ STHD14RJ	4X4 OR (2) 2X4	NA (EMBED STRAP 14")	USE HTT5 OR HDU5 W/PAB5
HTT5 AND HDU5	4X4 OR (2) 2X4	SB5/8X24	PAB5
HDU8	4X6 OR (2) 2X6	SB7/8X24	SSTB28
HDU11	6X6	SB1X30 OR PAB8 (SEE PLAN)	SB1X30 OR PAB8 (SEE PLAN)
HDU14	6X6	SB1X30 OR PAB8 (SEE PLAN)	SB1X30 OR PAB8 (SEE PLAN)
NOTES: 1. THE REQUIREMENTS SHOWN IN THIS TABLE ARE MIN. U.N.O., SEE PLAN. 2. AT INTERLEVEL HTT AND HDU HOLDOWNS, USE THREADED ROD OF SAME DIAMETER AS FOUNDATION BOLT. 3. ALIGN HOLDOWNS AT FOUNDATIONS WITH INTERLEVEL HOLDOWNS/STRAPS ABOVE U.N.O., SEE PLAN. 4. DIMENSIONS TO HOLDOWN LOCATIONS MUST BE FIELD VERIFIED. 5. EDGE NAIL SHEATHING TO POSTS AT HOLDOWNS WITH (2) ROWS EDGE NAILING. 6. USE "RJ" HOLDOWNS WHERE RIM JOIST OR SUSPENDED SLAB OCCURS ON WALL.			

FOOTING SCHEDULE:				
TYPE	WIDTH	LENGTH	THICK	REINFORCEMENT
F-16	16"	CONT.	10"	(2) # 4 BARS CONT.
F-18	18"	CONT.	10"	(2) # 4 BARS CONT.
F-20	20"	CONT.	10"	(2) # 4 BARS CONT.
F-24	24"	CONT.	10"	(3) # 4 BARS CONT.
F-30	30"	CONT.	10"	(3) # 4 BARS CONT.
F-36	36"	CONT.	10"	(4) # 4 BARS CONT.
S-24	24"	24"	10"	(3) # 4 BARS EACH WAY
S-30	30"	30"	10"	(3) # 4 BARS EACH WAY
S-36	36"	36"	10"	(4) # 4 BARS EACH WAY
S-42	42"	42"	12"	(5) # 4 BARS EACH WAY
S-48	48"	48"	12"	(6) # 4 BARS EACH WAY
S-60	60"	60"	12"	(7) # 4 BARS EACH WAY

NOTE: FOOTING REINFORCEMENT IN THIS SCHEDULE AND NOTED ON PLANS IS BOTTOM REINFORCING U.N.O. AND SHALL BE PLACED IN BOTTOM 1/2 OF FOOTING THICKNESS, WITH 3" CONCRETE CLEAR COVER, MIN.

SHEAR WALL NOTES							
ALL EXTERIOR WALLS AND VERTICAL SURFACES SHALL BE SHEATHED PER TYPICAL SHEAR WALL REQUIREMENTS MIN. U.N.O., WITH SHEATHING MANUFACTURED WITH EXTERIOR GLUE. SHEATHING SHALL BE APA RATED 24/16 MIN., NAILS SHALL BE SPACED 1/2" MIN. FROM PANEL EDGE AND DRIVEN FLUSH BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING. BLOCK AND EDGE NAIL ALL HORIZONTAL SHEATHING JOINTS.							
SHEAR WALL SCHEDULE							
			NAIL SPACING				
TYPE	SHEATHING	NAIL SIZE	EDGE	FIELD	STAPLE EQ.	BOTT. PL TO RIM ATTACHMENT	RIM/BLOCK TO PL ATTACHMENT BELOW DBL SIDED SHEAR WALLS
TYPICAL ⁴	7/16" ONE SIDE ²	8d	6" O.C.	12" O.C.	16G @ 3" O.C.	16d @ 6" O.C.	LTP4 OR A35 @ 16" O.C.
SW-1 ⁴	7/16" ONE SIDE ²	8d	4" O.C. ²	12" O.C.	16G @ 2" O.C.	16d @ 6" O.C.	LTP4 OR A35 @ 16" O.C.
SW-2 ³	7/16" ONE SIDE ²	8d	3" O.C. ²	12" O.C.	NOT ALLOWED	4" SDS SCREWS @ 8" O.C. ^{2,8}	LTP4 OR A35 @ 12" O.C.
SW-3 ³	7/16" ONE SIDE ²	8d	2" O.C. ²	12" O.C.	NOT ALLOWED	4" SDS SCREWS @ 8" O.C. ^{2,8}	LTP4 OR A35 @ 9" O.C.
SW-G ¹⁰	½" SHEETROCK	SCREW OR NAIL	6" O.C. ²	8" O.C.	NOT ALLOWED	16d @ 6" O.C.	N/A
NOTES: 1. 16 GAGE X 1-1/2" STAPLES MAY BE SUBSTITUTED FOR 8d NAILS AT 1/2 SPACING ON TYPICAL AND SW-1 WALLS. 2. WHERE SHEAR WALLS ARE INDICATED ON PLANS AT BOTH SIDES OF WALL, PROVIDE SHEATHING BOTH SIDES OF WALL (DBL SIDED SHEAR WALL) AND STAGGER EDGE NAILS. 3. PROVIDE 3X OR DBL 2X MEMBERS AT ADJOINING PANEL EDGES AT SW-2 AND SW-3 AND LAP SHEATHING 1 1/4" MIN. ONTO FRAMING MEMBERS AT PANEL EDGES. 4. AT TYPICAL AND SW-1 WALLS, LAP SHEATHING 3/4" ONTO FRAMING MEMBERS AT PANEL EDGES. 5. LAP SHEATHING 1 1/4" MIN. ONTO SILL PLATES ON FOUNDATIONS. 6. NAILS TO BE COMMON OR GALVANIZED BOX. 7. AT SINGLE SIDED SHEAR WALLS WHERE SHEATHING IS LAPPED TO CENTER OF RIM, WALL TOP PL OR TO SILL PLATE BELOW, 16d @ 6" O.C. MAY BE USED FOR WALL BOTTOM PLATE TO RIM ATTACHMENT. 8. USE 5" SCREWS FOR WALL PLATE TO RIM ATTACHMENT IF FLOOR SHEATHING IS GREATER THAN 3/4" THICK. 9. EDGE NAIL SHEATHING TO POSTS AT HOLDOWNS WITH (2) ROWS EDGE NAILING. 10. BLOCK ALL HORIZONTAL EDGES							

FRAMING NOTES

- SILL PLATE J-BOLTS SHALL HAVE A 3"x3"x1/4" WASHER AT EACH BOLT. IF SLOTTED WASHER IS USED, ADD CUT WASHER.
- ALL FOUNDATION HOLDOWN STRAPS/ANCHORS SHALL BE ALIGNED WITH END OF SHEAR WALL AND/OR INTER LEVEL STRAP ABOVE (WHERE OCCURS) AND SHALL ATTACH TO FULL HEIGHT KING STUDS U.N.O., SEE PLAN. PROVIDE WOOD POST AT EACH HOLDOWN PER THE HOLDOWN SCHEDULE.
- STRAPS CALLED OUT ON FLOOR AND FLOOR FRAMING PLANS ARE VERTICAL INTER LEVEL STRAPS AND SHALL BE CENTERED ON RIM BOARD AND ALIGNED WITH END OF SHEAR WALL ABOVE AND ATTACHED TO FULL HEIGHT KING STUDS UNLESS NOTED OR SHOWN OTHERWISE, SEE PLANS.
- WALL DBL TOP PLATES SHALL BE 2X MIN. AND SHALL LAP 36" AT ALL SPLICES WITH (12) 16d NAILS STAGGERED EACH SIDE OF SPLICE U.N.O. SEE PLAN, WHERE PLATES DO NOT LAP, PROVIDE CS16X32" STRAP TO SPLICE PLATES. ALIGN WALL STUD WITH PLATE JOINTS.
- PROVIDE DBL CANTILEVER FLOOR JOISTS BELOW (2) PLY (OR MORE) TRIMMERS/POSTS AND WHERE SHEAR WALL HOLDOWN STRAPS ARE INDICATED.
- ATTACH (2) PLY HEADERS TOGETHER WITH (3) 16d AT 12" O.C. [(2) 16d OK FOR 2X6 HEADERS]; USE (3) 16d AT 12" O.C. EACH SIDE FOR (3) PLY HEADERS. USE (4) 16d AT (2) AND (3) PLY HEADERS WHEN HEADER HEIGHT IS GREATER THAN 11", ATTACH (4) PLY HEADERS TOGETHER WITH (2) ½" THROUGH BOLTS AT 16" O.C. OR (2) SDS 1/4" X 6" SCREWS AT 16" O.C. EACH SIDE OF HEADER U.N.O., SEE PLAN.
- SEE BEARING WALL CONSTRUCTION TABLE FOR WALL FRAMING REQUIREMENTS.
- EDGE NAIL SHEATHING TO ALL DRAG MEMBERS.
- WHEN CHIMNEY IS SUPPORTED BY ROOF/FLOOR FRAMING, TRUSS/JOIST MFR TO DESIGN TRUSSES/JOISTS TO SUPPORT CHIMNEY WEIGHT INCLUDING VENER WHERE OCCURS. CHIMNEYS CANTILEVERING MORE THAN 4' ABOVE ROOF SHALL BE FRAMED WITH 2X6 @12" O.C., USE LSL 2X6 @ 12" O.C. FOR CHIMNEYS EXTENDING MORE THAN 8' ABOVE THE ROOF. CHIMNEYS EXTENDING MORE THAN 10' ABOVE THE ROOF SHALL BE LATERALLY BRACED (WITHIN 4' OF CHIMNEY TOP) TO THE ROOF FRAMING WITH CABLES OR RODS ANCHORED TO RESIST SEISMIC AND WIND LOADS. CHIMNEYS THAT EXTEND MORE THAN 6' ABOVE THE ROOF AND ARE SUPPORTED BY ROOF FRAMING (FRAMING DOES NOT EXTEND CONTINUOUS THROUGH ROOF) SHALL HAVE A MSTC48B3 ANCHOR AT EACH CORNER (HOOKED UNDER ROOF JOIST OR TRUSS TOP CHORD).
- ATTACH STEEL BEAMS TO WOOD POSTS PER BEAM POCKET IN WOOD WALL DETAIL.

SHEATHING NOTES

- STAGGER ROOF AND FLOOR SHEATHING JOINTS, SEE ROOF SHEATHING LAYOUT DETAIL.
- INSTALL ROOF AND FLOOR SHEATHING WITH LONG DIMENSION PERPENDICULAR TO TRUSSES/JOISTS U.N.O., SEE PLAN. SHEATHING INSTALLED WITH LONG DIMENSION PARALLEL TO JOISTS/TRUSSES SHALL BE 5 PLY PLYWOOD CONFORMING TO APA STANDARD PS-1.
- NAILS SHALL BE ½" MIN FROM SHEATHING EDGE.
- ALL FLOOR AND ROOF SHEATHING PIECES SHALL BE 48" X 48" MIN.
- PROVIDE EDGE NAILING AT ALL SUPPORTED AND BLOCKED PANEL EDGES AND PER DETAILS.

WALL SHEATHING: 7/16" APA RATED 24/16 MIN. U.N.O., SEE PLAN. ALL EXTERIOR WALLS AND VERTICAL SURFACES SHALL BE SHEATHED WITH SHEATHING MANUFACTURED WITH EXTERIOR GLUE. SEE PLANS AND SHEAR WALL SCHEDULE FOR NAILING REQUIREMENTS.

ROOF SHEATHING: 7/16" APA RATED 24/16 MIN. WITH 8d NAILS AT 6" O.C. EDGE NAILING AND 12" O.C. FIELD NAILING FOR ROOF SNOW LOAD LESS THAN OR EQUAL TO 40 PSF. FOR ROOF SNOW LOAD GREATER THAN 40 PSF USE 5/8" APA RATED 40/20 MIN. WITH 10d NAILS AT 6" O.C. EDGE NAILING AND 12" O.C. FIELD NAILING U.N.O. SEE PLAN.

FLOOR SHEATHING: 3/4" T&G APA RATED 40/20 MIN. (48/24 WHEN FLOOR TRUSSES/JOISTS ARE AT 24" O.C.) WITH 8d NAILS AT 6" O.C. EDGE NAILING AND 12" O.C. FIELD NAILING U.N.O. SEE PLAN. GLUE SHEATHING TO JOISTS/TRUSSES WITH ADHESIVE CONFORMING TO APA SPECIFICATIONS.

TRUSS/ GIRDER CONNECTION

USE SIMPSON H1 OR EQUIVELANT TIES EACH END OF EACH TRUSS/JOIST, SEE ROOF TRUSS AT WOOD WALL DETAIL. AT GIRDERS, INSTALL TIES EACH END AS FOLLOWS:

- FOR UPLIFT UP TO 1080 LBS., USE H10A-2
- FOR UPLIFT UP TO 1885 LBS., USE LGT2
- FOR UPLIFT UP TO 4940 LBS., USE VGT

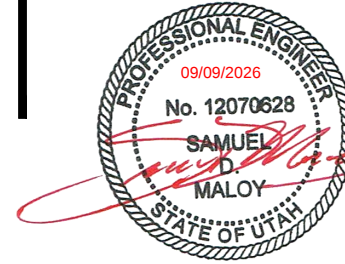
HEADER TO TRIMMER/KING STUD CONNECTION

- NAIL HEADER TO KING STUDS WITH (6) 16d EACH END U.N.O. SEE PLAN.
- FOR HEADERS GREATER THAN 6' LONG, USE (2) LCE CLIPS OR PCZ OR BC POST CAP EACH END OF HEADER TO TRIMMER CONNN., OR USE CS16 STRAPS EACH SIDE OF HEADER TO TRIMMERS, SEE HEADER TO TRIMMER CONNECTION DETAIL.

DESIGN CRITERIA		
GOVERNING CODE		2021 IRC
SEISMIC	CATEGORY=	D2
	I=	1.00
	R=	6.5
	Fa=	1
ULT. WIND SPEED (3-SECOND GUST)	115 MPH	
	EXPOSURE C	
ROOF LOADS	DEAD	15 PSF
	LIVE	20 PSF
	SNOW	30 PSF
	DEFLECTION	LL=L/360 TL=L/240
FLOOR LOADS	DEAD	12 PSF
	LIVE	40 PSF
	DEFLECTION	LL=L/360 TL=L/240
DECK LOADS	DEAD	12 PSF
	LIVE	60 PSF
SOIL BEARING PRESSURE		1500 PSF
EQUIVALENT FLUID PRESSURE		38 PCF
NOTE: THIS ENGINEERING DESIGN ASSUMES THE LOADS AND CRITERIA LISTED ABOVE. CONTRACTOR SHALL REVIEW THE LOADS AND CONTACT YORK ENGINEERING PRIOR TO CONSTRUCTION IF ANY ADJUSTMENTS ARE REQUIRED. THE LOADS ABOVE ASSUME NO RADIANT HEAT FLOORING. SOIL REPORT, IF AVAILABLE, SHALL BE REVIEWED BY YORK ENGINEERING PRIOR TO CONSTRUCTION. IF NO SOILS REPORT IS AVAILABLE, THIS DESIGN ASSUMES THE SOIL PRESSURE ABOVE AND THAT NO LIQUEFACTION, EXPANSIVE, SLOPE STABILITY OR OTHER ADVERSE CONDITIONS EXIST.		

OPENINGS ON BEARING WALLS	
UNLESS OTHERWISE NOTED	
SPAN <5'-0"	(1) TRIMMER AND (1) KING STUD
SPAN 5'-1" - 18'-0"	(2) TRIMMERS AND (1) KING STUD
FOR WALLS TALLER THAN 10', USE DOUBLE KING STUDS	
UNLESS NOTED OTHERWISE, PROVIDE (2) 2X TO SUPPORT ALL BEAMS/GIRDERS	

Engineer's Stamp:



Date	Author	Note				
			Submitted for permitting			
1	7/15/26	CH				

ENGINEER: CH
REVIEWER: SM

FELLER RESIDENCE
1893E. 12200 S.
DRAPER, UT

SD3